

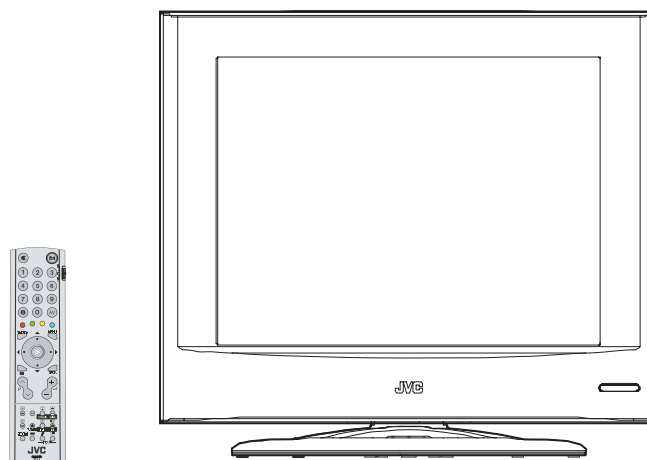
# JVC

## SERVICE MANUAL

LCD PANEL TELEVISION

**LT-20DJ5SGE,  
LT-20DJ5SFR,  
LT-20DJ5SSP**

**DVB**  
Digital Video  
Broadcasting



### TABLE OF CONTENTS

1	PRECAUTION.....	1-3
2	SPECIFIC SERVICE INSTRUCTIONS.....	1-6
3	DISASSEMBLY .....	1-8
4	ADJUSTMENT .....	1-12
5	TROUBLESHOOTING .....	1-13

# SPECIFICATION

Items		Contents
Dimensions ( W × H × D )		53.0cm × 47.7cm × 21.3cm [Included stand] 53.0cm × 44.0cm × 12.5cm [TV only]
Mass		8.2kg [Included stand] 7.2kg [TV only]
Power Input	ADAPTER TV	AC100 - 240V, 50Hz DC12V
Power Consumption		60W (Standby: 3.0W)
TV RF System	Analog Digital	CCIR (B/G, I, D/K, L) DVB-T 2k&8k
Colour System		PAL, SECAM, NTSC 3.58/4.43 [EXT only]
Stereo System		NICAM (B/G, I, D/K, L), A2 (B/G, D/K)
Receiving Frequency	Analog  Digital CATV	VHF: 47 MHz - 470 MHz UHF: 470 MHz - 862 MHz UHF: 474 MHz - 858 MHz 68 MHz - 174 MHz, 230 MHz - 470 MHz
Intermediate Frequency	VIF SIF	38.9 MHz (B/G, I, D/K, L) 33.4 MHz (5.5 MHz: B/G) 32.9 MHz (6.0 MHz: I) 32.4 MHz (6.5 MHz: D/K, L)
Colour Sub Carrier Frequency	PAL SECAM NTSC	4.43 MHz 4.40625 MHz / 4.25MHz 3.58 MHz / 4.43 MHz
Teletext System	Analog Digital	TOP, FLOF (Fastext level 2.5), WST(World Standard system) Digital Teletext (VBI insertion)
LCD panel		20V-inch (4:3)
Screen Size		Diagonal : 50.9cm (H:40.8cm × V : 30.6cm)
Display Pixels		Horizontal : 800 dots × Vertical : 600 dots (SVGA)
Audio Power Output		5W + 5W(10% THD)
Speaker		3.0cm × 10.0cm oval type × 2
Aerial terminal (VHF/UHF)		EU-type connector, 75Ω unbalanced, coaxial
EXT-1 / EXT-2 (Input / Output)		21-pin Euro connector (SCART socket ) × 2
EXT-3(Input)	Component Video 625p / 525p / 625i / 525i  Audio	RCA pin jack × 3 Y : 1V (p-p), Positive (Negative sync provided), 75 Ω Cb/Cr : 0.7V(p-p), 75 Ω 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2
EXT-4 (Input)	S-Video  Video Audio	Mini-DIN 4 pin × 1 Y: 1V (p-p), Positive (Negative sync provided), 75 Ω C: 0.286V (p-p) (Burst signal), 75 Ω 1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1 500mV (rms), High impedance, RCA pin jack × 2
PC (RGB) Input		D-sub 15pin × 1 R/G/B : 0.7V (p-p), 75Ω HD / VD : 1V (p-p) to 5V (p-p), high impedance < Available signal > Horizontal : 30kHz - 69kHz Vertical : 50Hz - 75Hz [Resolution : 640 pixels × 480 pixels(VGA), 720 pixels × 400 pixels, 800 pixels × 600 pixels(SVGA)]
PC AUDIO input		3.5mm stereo mini jack × 1
Audio output	Analog Digital	500mV (rms), Low impedance, RCA pin jack × 2 AC3 compatible, RCA pin jack × 1
Headphone		3.5mm stereo mini jack × 1
Card Slot		CAM(Conditional Access Module) × 1
Remote Control Unit		RM-C1897S (AA/R6 dry cell battery × 2)

Design & specifications are subject to change without notice.

# SECTION 1

## PRECAUTION

### 1.1 SAFETY PRECAUTIONS [EXCEPT FOR UK]

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (  $\Delta$  ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**  
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (  $\perp$  ) side GND, the ISOLATED (NEUTRAL) : (  $\equiv$  ) side GND and EARTH : (  $\oplus$  ) side GND.  
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

### (6) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

#### a) Dielectric Strength Test

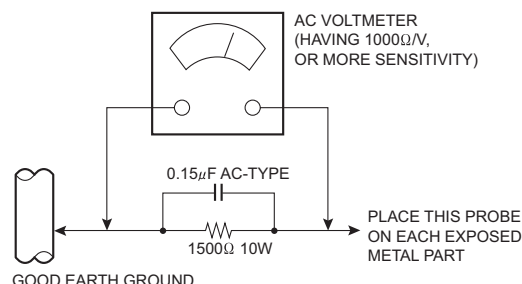
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

#### b) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

#### Alternate Check Method

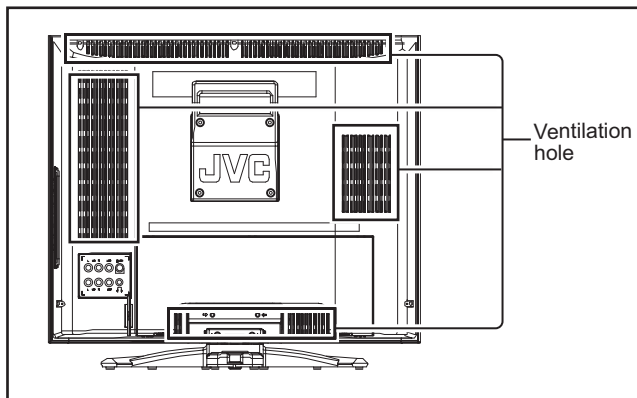
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 $\Omega$  per volt or more sensitivity in the following manner. Connect a 1500 $\Omega$  10W resistor paralleled by a 0.15 $\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



## 1.2 INSTALLATION

### 1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically. Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.



### 1.2.3 NOTES ON HANDLING

#### (1) WHEN TAKING UNIT OUT OF A PACKING CASE

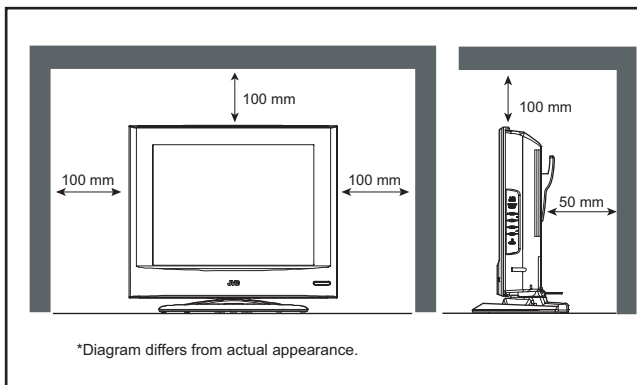
When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

#### (2) AS FOR PRESSING OR TOUCHING A SPEAKER

Be careful not to press the opening of the speaker in the lower part of the unit and around them since the decorative sheet on the surface of the openings may be deformed.

### 1.2.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc. Install the unit on stable flooring or stands. Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.



### 1.3 HANDLING LCD PANEL

#### 1.3.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

- (1) **USE A SPECIAL PACKING CASE FOR THE LCD PANEL**  
When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.

- (2) **ATTACH PROTECTION SHEET TO THE FRONT**  
Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.

- (3) **AVOID VIBRATIONS AND IMPACTS**  
The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

- (4) **DO NOT PLACE EQUIPMENT HORIZONTALLY**  
Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

#### 1.3.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

- (1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and COLOUR.
- (2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).
- (3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.
- (4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

#### 1.3.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

- (1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular COLOUR.
- (2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.
- (3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

## SECTION 2

### SPECIFIC SERVICE INSTRUCTIONS

#### 2.1 FEATURES

##### DVB-T (DIGITAL TERRESTRIAL BROADCASTING)

This TV can receive both Digital terrestrial broadcasting (DVB-T) and Analogue terrestrial broadcasting.

##### T-V LINK

When you have a T-V LINK compatible VCR connected to the EXT-2 Terminal on the TV, it is easier to set up the VCR and to view videos.

##### ZOOM

This function can change the screen size according to the picture aspect ratio.

##### OFF TIMER

This function can set the TV to automatically turn off after a set time.

##### COLOUR SYSTEM

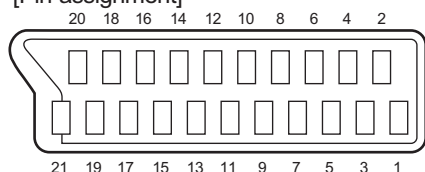
If the picture is not clear or no colour appears, change the current colour system to another colour system.

#### 2.2 21-PIN EURO CONNECTOR (SCART) : EXT-1 / EXT-2

Pin No.	Signal designation	Matching value	EXT-1	EXT-2
1	AUDIO R output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)
2	AUDIO R input	500mV(rms) (Nominal), High impedance	Used (R1)	Used (R2)
3	AUDIO L output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)
4	AUDIO GND		Used	Used
5	GND (B)		Used	Used
6	AUDIO L input	500mV(rms) (Nominal), High impedance	Used (L1)	Used (L2)
7	B input	700mV <sub>(B-W)</sub> , 75Ω	Used	Used
8	FUNCTION SW (SLOW SW)	Low : 0V-3V High : 8V-12V, High impedance	Used	Used
9	GND (G)		Used	Used
10	SCL / T-V LINK		Not used	Used (TV-LINK)
11	G input	700mV <sub>(B-W)</sub> , 75Ω	Used	Used
12	SDA		Not used	Not used
13	GND (R)		Used	Used
14	GND (YS)		Used	Not used
15	R / C input	R : 700mV <sub>(B-W)</sub> , 75Ω C : 300mV <sub>(P-P)</sub> , 75Ω	Used (R)	Used (C/R)
16	Ys input (FAST SW)	Low : 0V-0.4V, High : 1V-3V, 75Ω	Used	Used
17	GND (VIDEO output)		Used	Used
18	GND (VIDEO input)		Used	Used
19	VIDEO output	1V <sub>(P-P)</sub> (Negative sync), 75Ω	Used (TV OUT)	Used (LINE OUT)
20	VIDEO / Y input	1V <sub>(P-P)</sub> (Negative sync), 75Ω	Used (V1)	Used (Y/V2)
21	COMMON GND		Used	Used

(P-P= Peak to Peak, B-W= Blanking to white peak)

[Pin assignment]



## 2.3 TECHNICAL INFORMATION

### 2.3.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.

Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

#### 2.3.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications	Remarks
Displayed colour	16777216 colours	256 colours for R, G, and B
Brightness	450cd/m <sup>2</sup>	
Contrast ratio	500 : 1	
Response time	16ms	
View angle	Horizontally: 160°, Vertically: 120°	

#### 2.3.1.2 PIXEL FAULT

There are three pixel faults - bright fault , dark fault and flicker fault - that are respectively defined as follows.

##### ■ BRIGHT FAULT

In this pixel fault, a cell that should not light originally is lighting on and off.

For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

##### ■ DARK FAULT

In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.

For checking this pixel fault, input 100% of each R/G/B colour and find out the cell that is not lighting.

##### ■ FLICKER FAULT

In the pixel fault, a cell that should light originally or not light originally is flashing on and off.

For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB colour and find out the cell that is flashing on and off.

## SECTION 3

### DISASSEMBLY

#### 3.1 DISASSEMBLY PROCEDURE

##### NOTE:

- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required.
- Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

##### 3.1.1 REMOVING THE HINGE COVER

- (1) Remove the 2 screws **[A]**.
- (2) Remove the HINGE COVER.

##### 3.1.2 REMOVING THE FOOT TOP COVER

- Remove the HINGE COVER.
  - (1) Remove the 2 screws **[B]**.
  - (2) Pull out the FOOT TOP COVER.

##### 3.1.3 REMOVING THE FOOT ASSEMBLY

- (1) Remove the 4 screws **[C]**.
- (2) Remove the FOOT ASSEMBLY.

##### 3.1.4 REMOVING THE HANDLE

- Remove the HINGE COVER.
- Remove the FOOT TOP COVER.
  - (1) Remove the 4 screws **[D]**.
  - (2) Remove the THE HANDLE.

##### 3.1.5 REMOVIE BACK COVER

- Remove the FOOT ASSEMBLY.
  - (1) Remove the 7 screws **[E]**.
  - (2) Remove the BACK COVER toward you.

##### NOTE:

If necessary, remove the HANDLE and BACK DOOR.

##### 3.1.6 REMOVING THE SIDE CONTROL PWB

- Remove the FOOT ASSEMBLY.
- Remove the BACK COVER.
  - (1) Remove the 2 screws **[F]**.
  - (2) Remove the FUNCTION BUTTON with SIDE CONTROL PWB.
  - (3) Remove the 4 claws which is fixing the SIDE CONTROL PWB.
  - (4) Remove the SIDE CONTROL PWB.

##### 3.1.7 REMOVING THE AV JACK PWB

- Remove the FOOT ASSEMBLY.
- Remove the BACK COVER.
  - (1) Remove the 4 screws **[G]**.
  - (2) Remove the AV JACK PWB.

##### 3.1.8 REMOVING THE METAL HANG

- Remove the FOOT ASSEMBLY.
- Remove the HANDLE.
- Remove the BACK COVER.
  - (1) Remove the 1 screw **[H]**.
  - (2) Remove the METAL HANG.
  - (3) Remove the opposite METAL HANG same steps.

##### 3.1.9 REMOVING THE BRACKET SOCKET COVER

- Remove the FOOT ASSEMBLY.
- Remove the BACK COVER.
  - (1) Remove the 2 screws **[J]**.
  - (2) Remove the BRACKET SOCKET COVER.

##### 3.1.10 REMOVING THE MAIN PWB

- Remove the FOOT ASSEMBLY.
- Remove the BACK COVER.
- Remove the BRACKET SOCKET COVER.
  - (1) Remove the 9 screws **[K]**.
  - (2) Remove the MAIN PWB.

##### 3.1.11 REMOVING THE LED PWB

- Remove the FOOT ASSEMBLY.
- Remove the BACK COVER.
  - (1) Remove the 2 screws **[L]**.
  - (2) Remove the LED PWB.

##### 3.1.12 REMOVING THE SPEAKER

- Remove the FOOT ASSEMBLY.
- Remove the BACK COVER.
  - (1) Remove the speaker wire from speaker terminal.
  - (2) Remove the 2 screws **[M]**.
  - (3) Remove the SPEAKER.
  - (4) Remove the opposite speaker same steps.

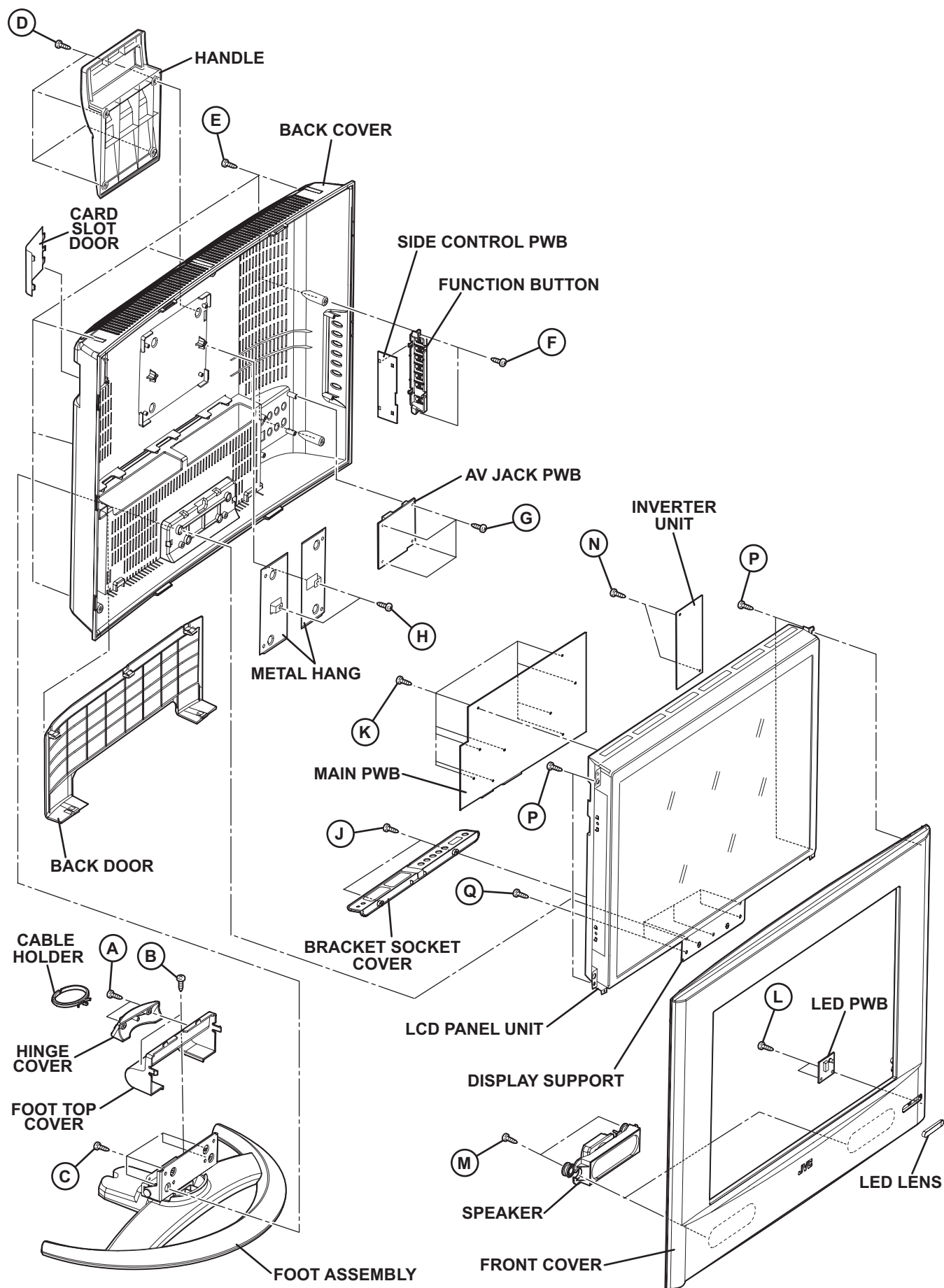
##### 3.1.13 REMOVING THE LCD PANEL UNIT

- Remove the FOOT ASSEMBLY.
- Remove the BACK COVER.
- Remove the MAIN PWB.
  - (1) Remove the 2 screws **[N]**.
  - (2) Remove the INVERTER UNIT.
  - (3) Remove the 4 screws **[P]**.
  - (4) Remove the 5 screws **[Q]** fixing the DISPLAY SUPPORT and LCD PANEL UNIT.
  - (5) Slightly raise the both sides of the LCD PANEL by hand from the FRONT COVER.

##### NOTE:

- Pay special attention not to break or damage on the front of the LCD PANEL.
- The LCD PANEL UNIT is fixed to the FRONT COVER (at the back side) by using double-side adhesive tapes. To remove the LCD PANEL UNIT, remove the adhesive tape on the FRONT COVER slowly.





## 3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

### 3.2.1 SETTINGS OF FACTORY SHIPMENT

#### 3.2.1.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
TV/AV	TV

#### 3.2.1.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
ZOOM	Auto
Hyper Sound	Off

#### 3.2.1.3 REMOTE CONTROL MENU OPERATION

##### (1) PICTURE

Setting item	Setting position
Mode	Bright
Colour Temp.	Cool
Noise Red.	Minimum

##### (2) SOUND

Setting item	Setting position
Hyper Sound	Off
Sound Mode	Mono

##### (3) FEATURE

Setting item	Setting position
Sleep Timer	Off
Child Lock	Off
Language	English
EXT-2 Output	TV
Blue Back	On

##### (4) INSTALLATION

Setting item	Setting position
Colour System	AUTO
Decoder(EXT-2)	Off
VCR	Off

### 3.3 REPLACEMENT OF CHIP COMPONENT

#### 3.3.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

#### 3.3.2 SOLDERING IRON

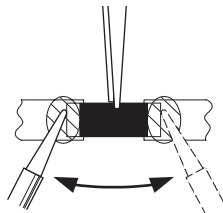
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

#### 3.3.3 REPLACEMENT STEPS

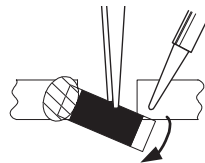
##### 1. How to remove Chip parts

[Resistors, capacitors, etc.]

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



- (2) Shift with the tweezers and remove the chip part.

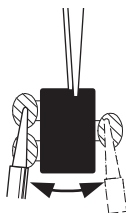


[Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



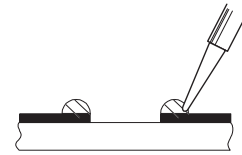
#### NOTE :

After removing the part, remove remaining solder from the pattern.

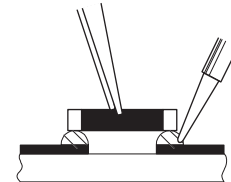
##### 2. How to install Chip parts

[Resistors, capacitors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.

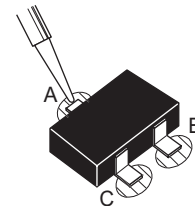


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

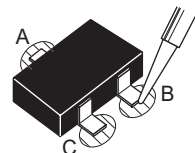


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead **A** as indicated in the figure.



- (4) Then solder leads **B** and **C**.



## SECTION 4 ADJUSTMENT

### 4.1 ADJUSTMENT PREPARATION

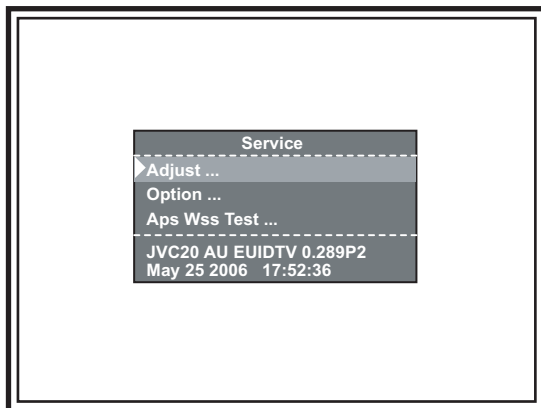
- (1) There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
- (2) The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- (3) Make sure that connection is correctly made AC to AC power source.
- (4) Turn on the power of the TV and measuring instruments for warming up for at least 30 minutes before starting adjustments.
- (5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

### 4.2 BASIC OPERATION OF SERVICE MODE

#### 4.2.1 HOW TO ENTER THE SERVICE MODE

- (1) Press **[INFORMATION]** key and **[MUTING]** key on the remote control unit simultaneously to enter the SERVICE MODE SCREEN.

SERVICE MODE SCREEN



#### 4.2.2 HOW TO EXIT THE SERVICE MODE

Press the **[MENU]** key to exit the Service mode.

#### 4.2.3 CHANGE AND MEMORY OF SETTING VALUE

##### ■ SELECTION OF SETTING MENU & ITEM

- **[FUNCTION ▲/▼]** key : Select the SETTING MENU & ITEM
- **[OK]** key : Decision the SETTING MENU & ITEM

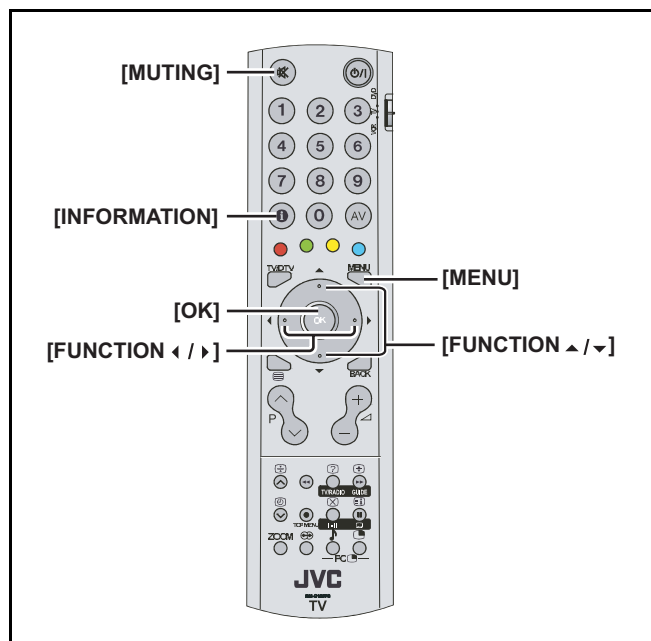
##### ■ CHANGE OF SETTING VALUE (DATA)

- **[FUNCTION ◀/▶]** key.

##### ■ MEMORY OF SETTING VALUE (DATA)

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys

#### 4.2.4 SERVICE MODE SELECT KEY LOCATION



#### 4.2.5 SERVICE MODE SETTING ITEMS

Setting menu	Setting items	Setting menu	Setting items
Adjust	Group	Option 2	Carrier
	Mode		LDLY
	Col Temp		AGC
	Contrast		Other
	Brightness		PC
	Colour		Osdclk_Dly
	Sharpness		Osdclk_pinDly
	Red		MAD
	Green	Aps Wss Test	Programme
	Blue		VPS
	Aps Volume		Scart Volume Avl Off
Option 1	First APS		Pdc Format 1
	FM Prs Avl On		Pdc Format 2
	Nicam Prs Avl On		Name
	Scart Prs Avl On		WSS
	Scart Volume Avl On		
	FM Prs Avl Off		
	Nicam Prs Avl Off		
	Scart Prs Avl Off		
	Scart Volume Avl Off		
	Avl		
	Sound		

## SECTION 5 TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.



Victor Company of Japan, Limited  
Flat Panel Display Category 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

(No.YA437)



Printed in Japan  
VPT

# LT-20DJ5SGE, LT-20DJ5SFR, LT-20DJ5SSP

## STANDARD CIRCUIT DIAGRAM

### ■ NOTE ON USING CIRCUIT DIAGRAMS

#### 1.SAFETY

The components identified by the  $\triangle$  symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

#### 2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k $\Omega$ /V
- (4)Oscilloscope sweeping time : H  $\Rightarrow$  20 $\mu$ s / div  
: V  $\Rightarrow$  5ms / div  
: Others  $\Rightarrow$  Sweeping time is specified
- (5)Voltage values : All DC voltage values

\* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

#### 3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R209  $\rightarrow$  R209

#### 4.INDICATIONS ON THE CIRCUIT DIAGRAM

##### (1)Resistors

###### ● Resistance value

- No unit : [ $\Omega$ ]
- K : [k $\Omega$ ]
- M : [M $\Omega$ ]

###### ● Rated allowable power

- No indication : 1/16 [W]
- Others : As specified

###### ● Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflammable resistor
- FR : Fusible resistor

\* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

##### (2)Capacitors

###### ● Capacitance value

- 1 or higher : [pF]
- less than 1 : [ $\mu$ F]

###### ● Withstand voltage

- No indication : DC50[V]
- Others : DC withstand voltage [V]
- AC indicated : AC withstand voltage [V]

\* Electrolytic Capacitors

47/50[Example]: Capacitance value [ $\mu$ F]/withstand voltage[V]

###### ●Type

- No indication : Ceramic capacitor
- MM : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized polypropylene capacitor
- MF : Metalized film capacitor
- TF : Thin film capacitor
- BP : Bipolar electrolytic capacitor
- TAN : Tantalum capacitor

##### (3)Coils

- No unit : [ $\mu$ H]
- Others : As specified

##### (4)Power Supply



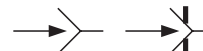
-  : B1
-  : B2 (12V)
-  : 9V
-  : 5V

\* Respective voltage values are indicated





##### (5)Test point

-  : Test point
-  : Only test point display

##### (6)Connecting method

-  : Connector
-  : Wrapping or soldering
-  : Receptacle

##### (7)Ground symbol

-  : LIVE side ground
-  : ISOLATED(NEUTRAL) side ground
-  : EARTH ground
-  : DIGITAL ground

#### 5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ( $\perp$ ) side GND and the ISOLATED(NEUTRAL) : ( $\text{⏏}$ ) side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus ( oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

##### NOTE

◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.  
When ordering parts, please use the numbers that appear in the Parts List.

CONTENTS

SEMICONDUCTOR SHAPES .....2-2

WIRING DIAGRAM .....2-3

BLOCK DIAGRAM [TV PART] .....2-5

BLOCK DIAGRAM [IDTV PART] .....2-7

CIRCUIT DIAGRAMS

    MAIN PWB CIRCUIT DIAGRAM ..... 2-9

    SIDE CONTROL PWB CIRCUIT DIAGRAM ..... 2-33

    AV & HEADPHONE PWB CIRCUIT DIAGRAM ..... 2-34

PATTERN DIAGRAMS

    MAIN PWB PATTERN ..... 2-35

    SIDE CONTROL PWB PATTERN ..... 2-39

    AV & HEADPHONE PWB PATTERN ..... 2-39

USING P.W. BOARD

P.W.B ASS'Y name	LT-20DJ5SGE	LT-20DJ5SFR	LT-20DJ5SSP
MAIN P.W. BOARD	VE-20267685	←	←
SIDE CONTROL P.W. BOARD	VE-20224821	←	←
AV & HEADPHONE P.W. BOARD	VE-20242334	←	←

SEMICONDUCTOR SHAPES

TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW

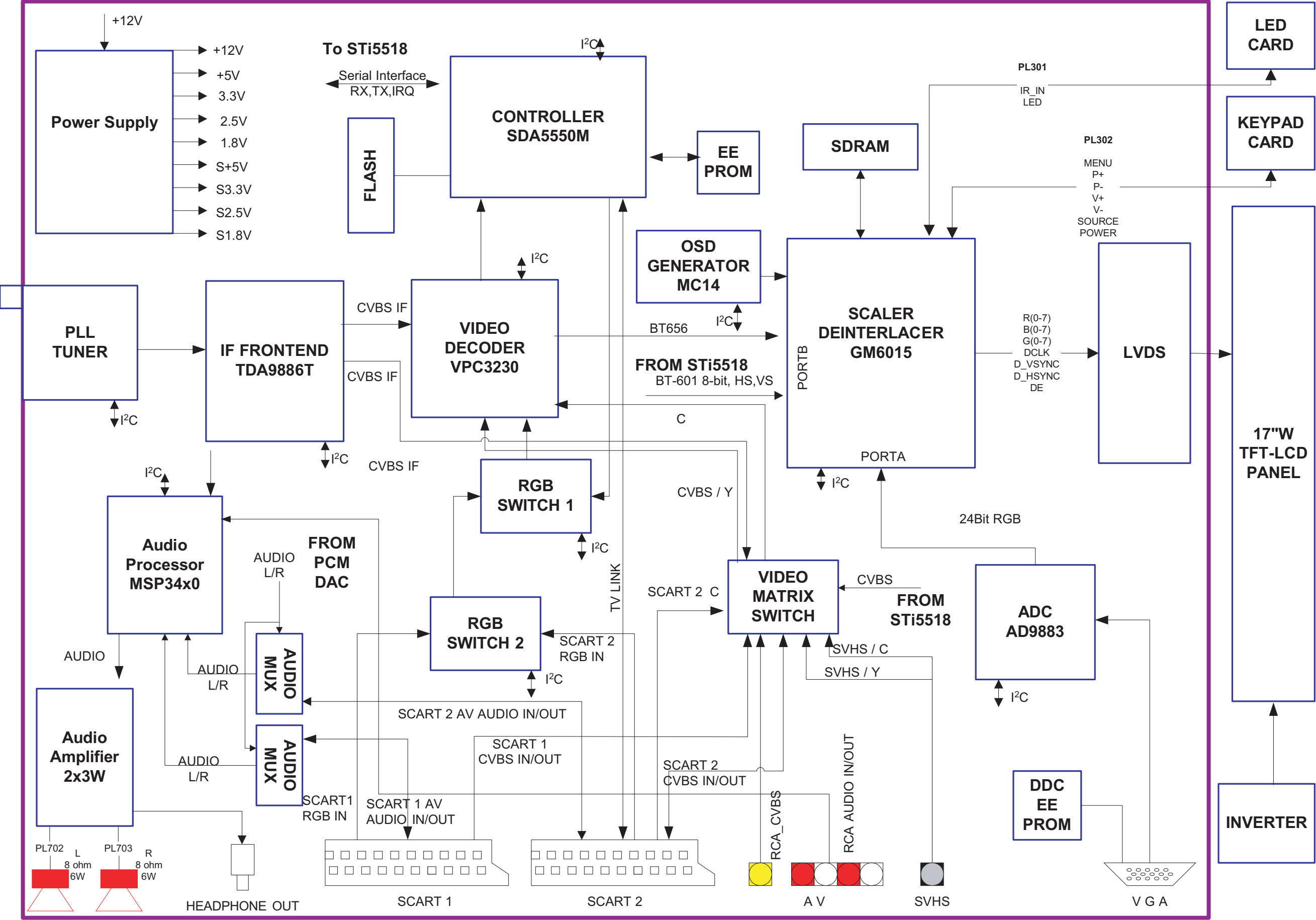
CHIP IC

TOP VIEW		

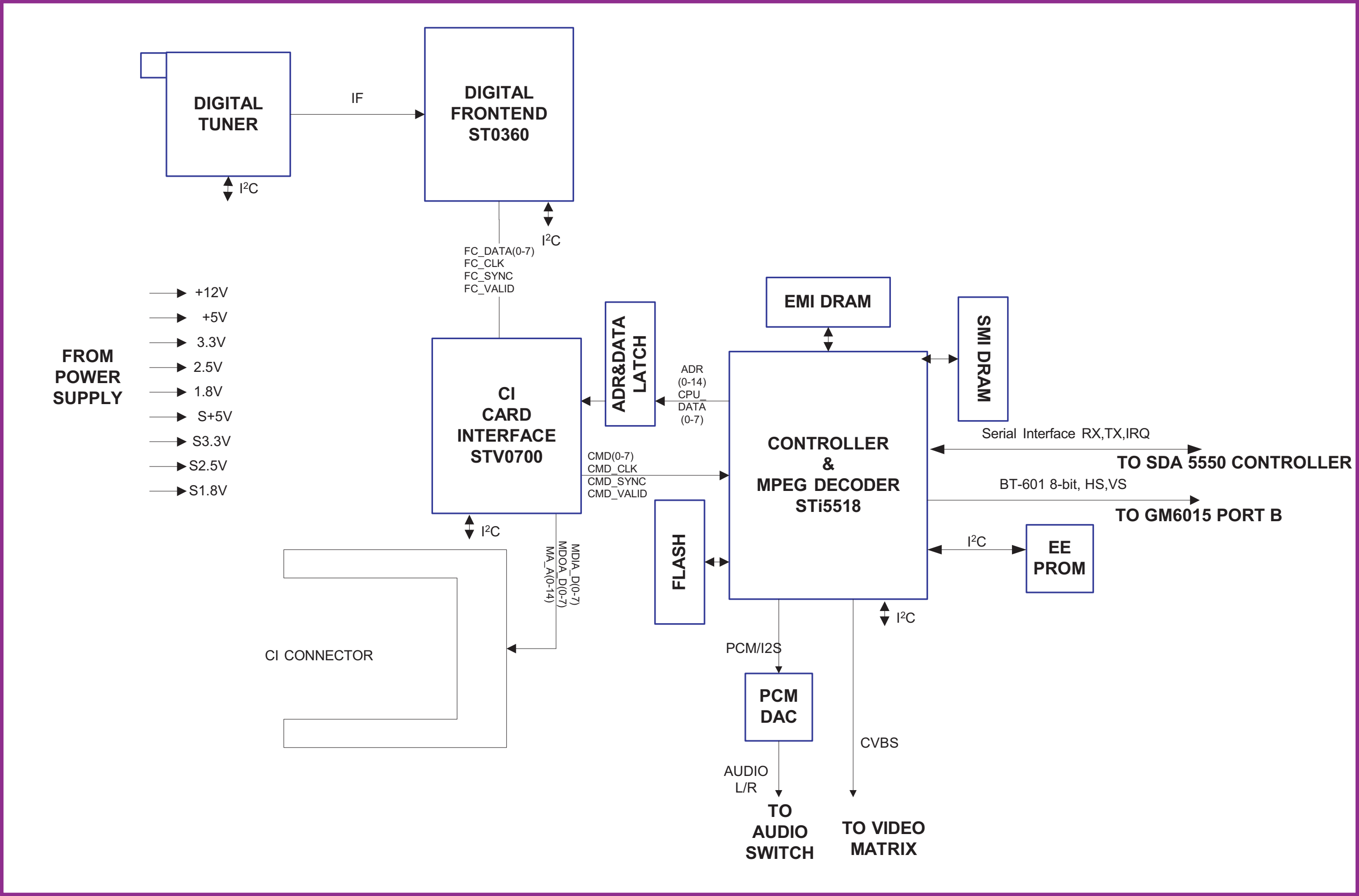


WIRING DIAGRAM

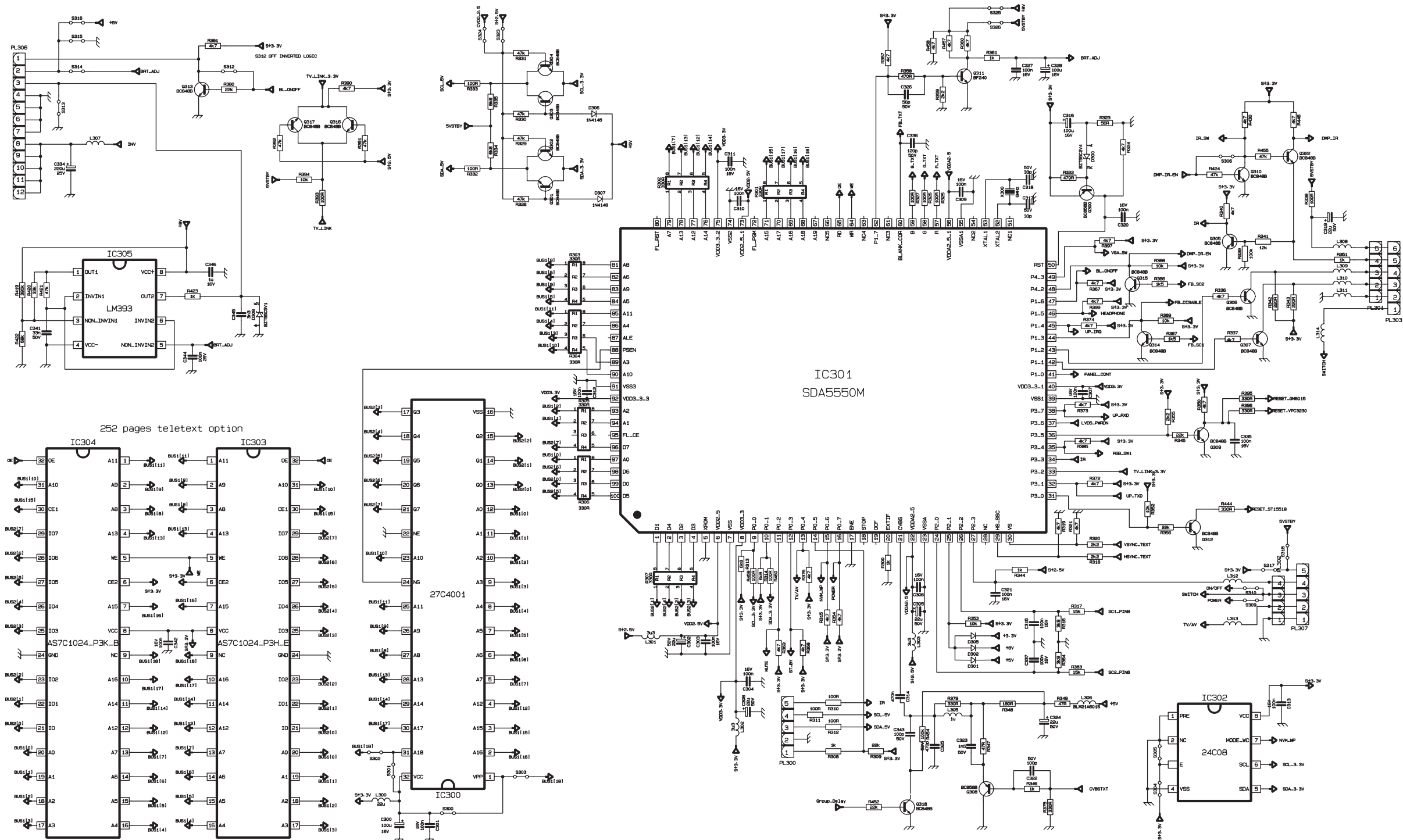
BLOCK DIAGRAM [TV PART]

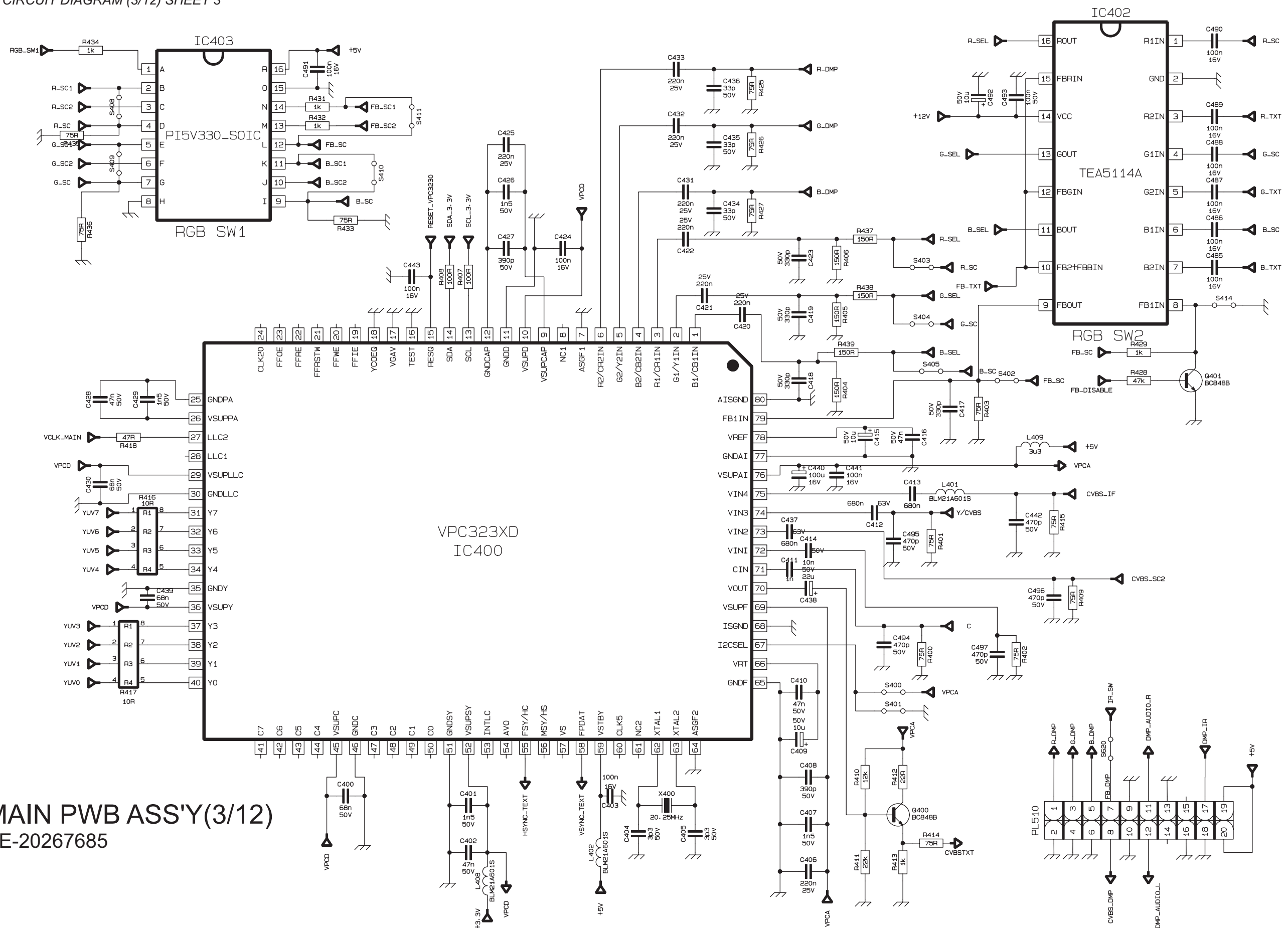


BLOCK DIAGRAM [IDTV PART]

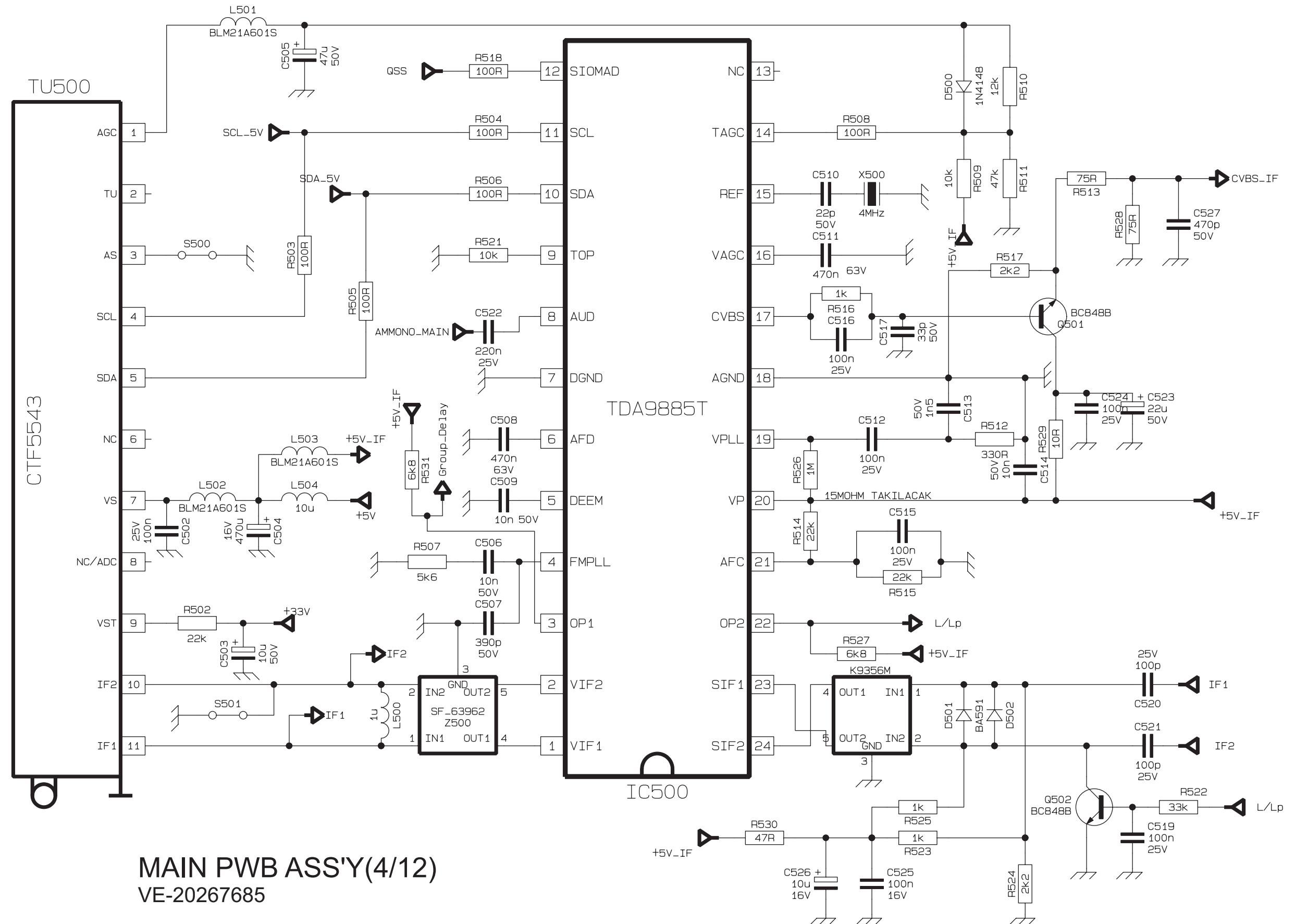




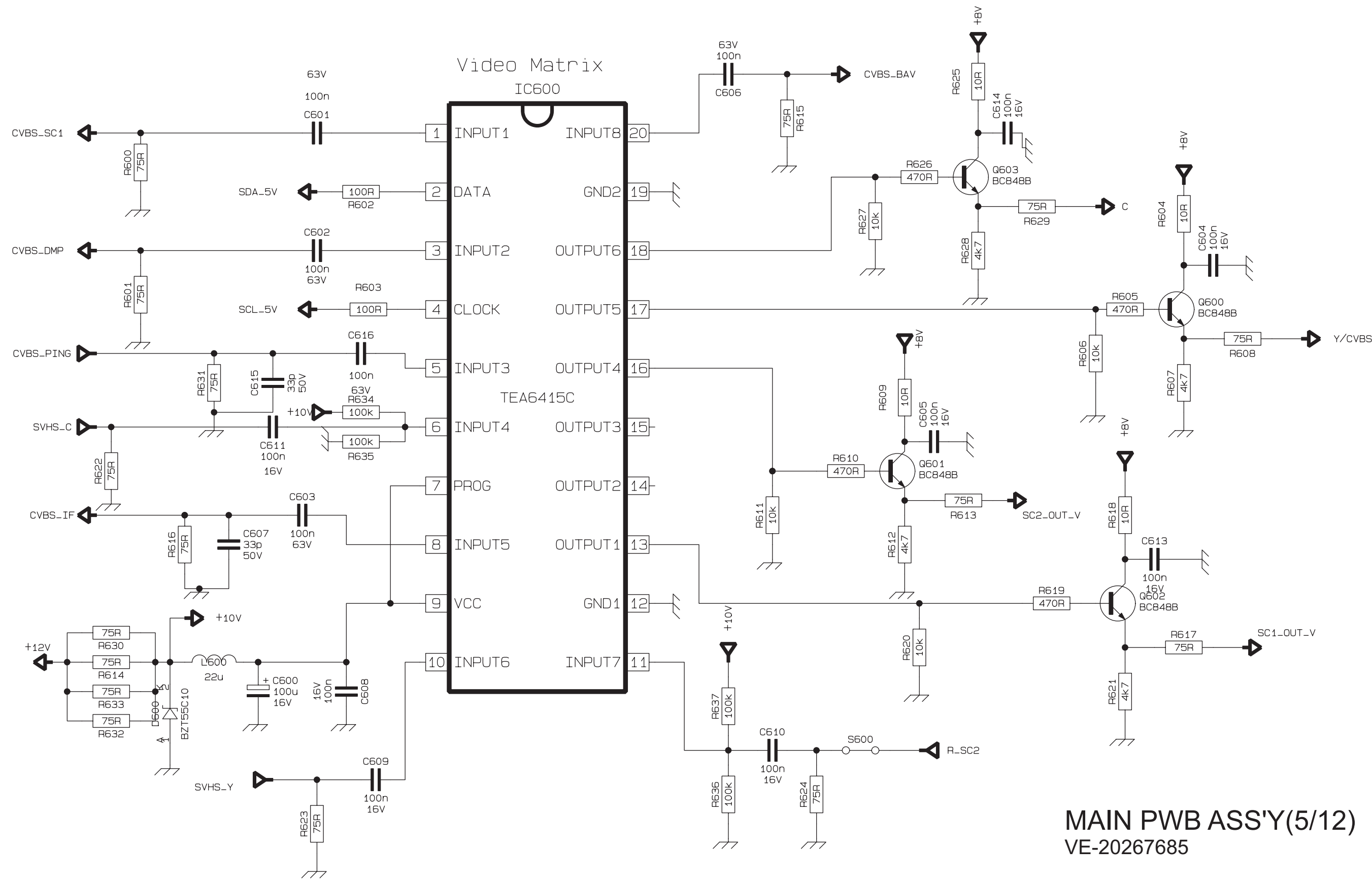




MAIN PWB ASS'Y(3/12)  
VE-20267685

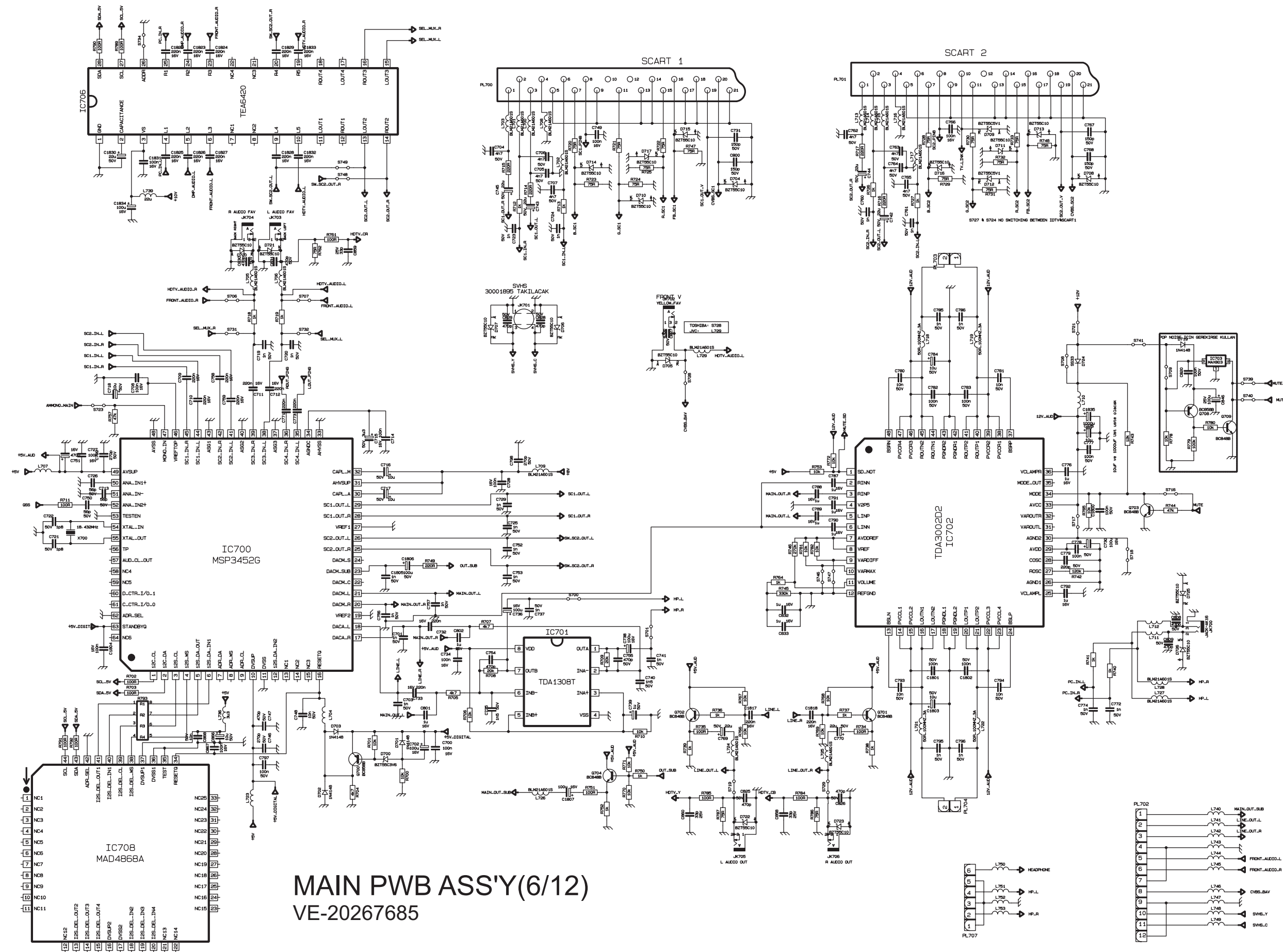


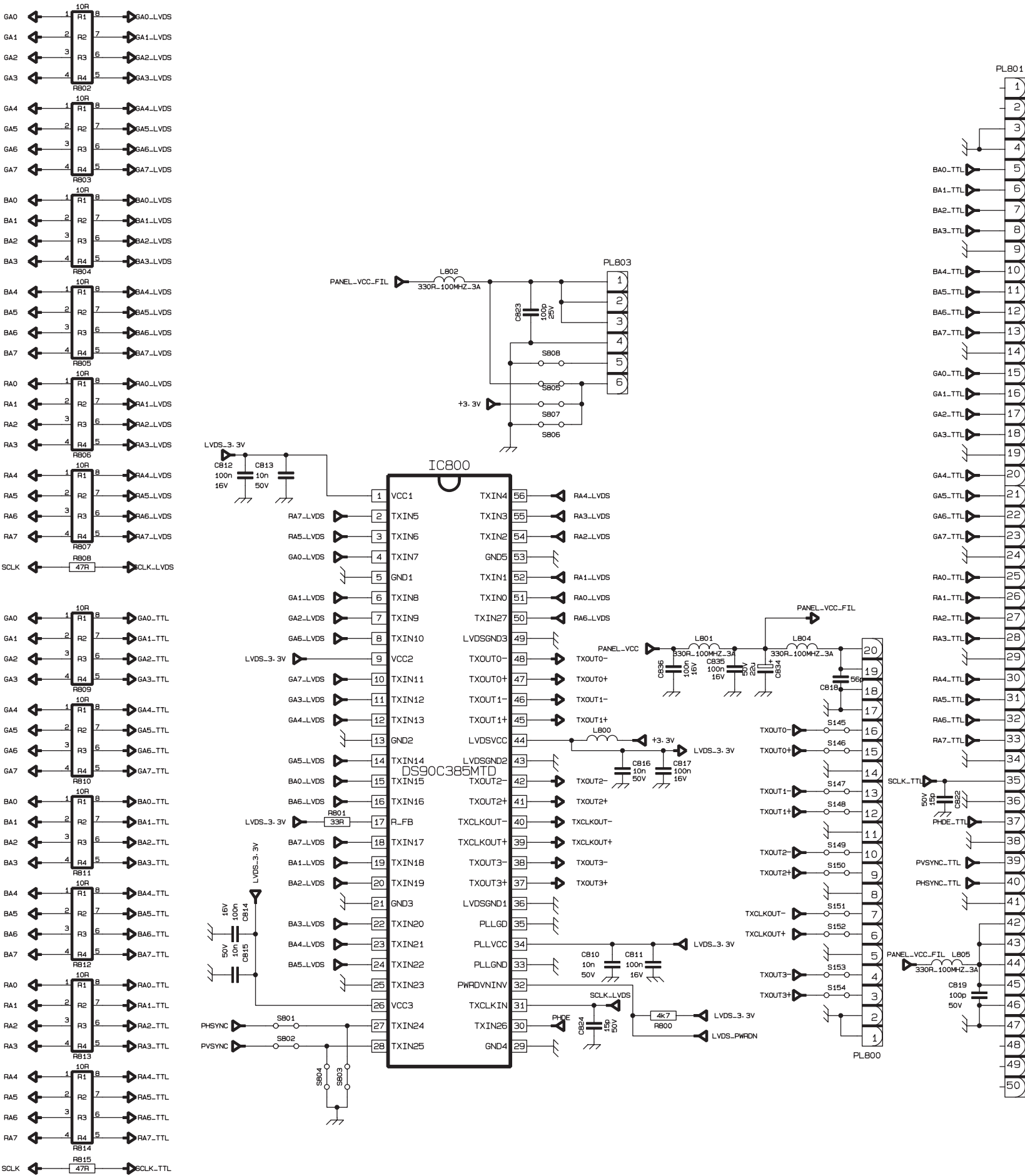


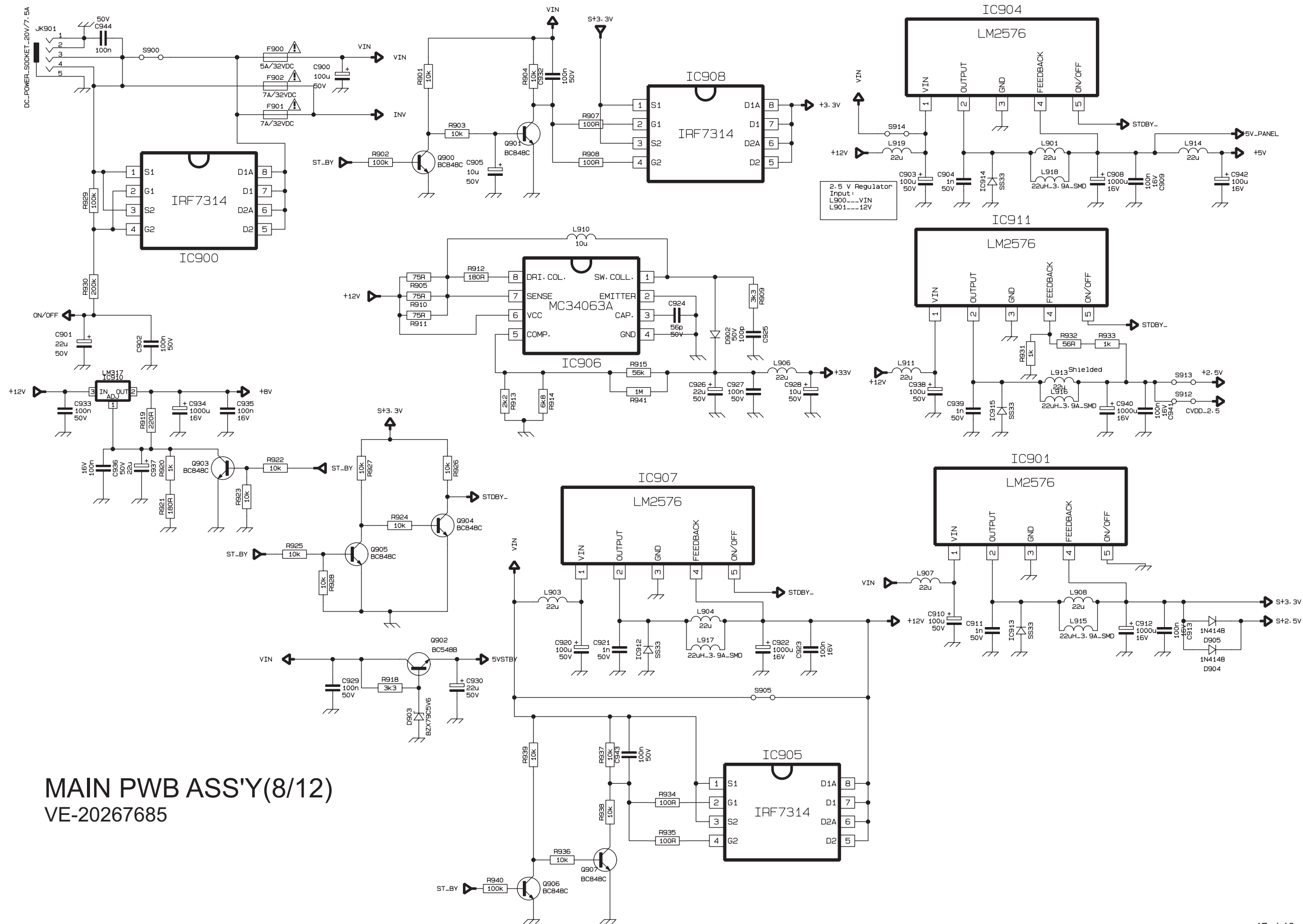


MAIN PWB ASS'Y(5/12)  
VE-20267685



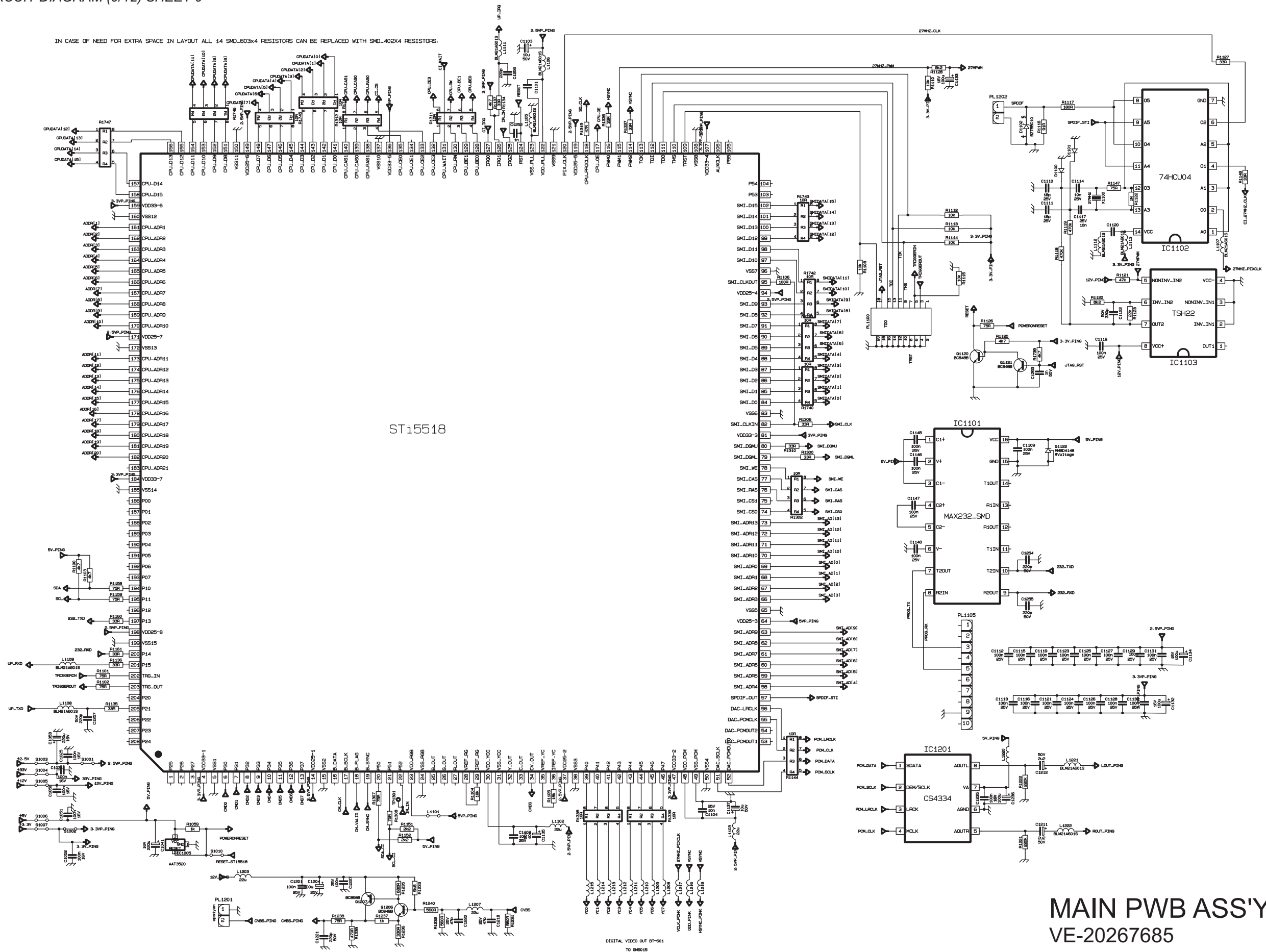




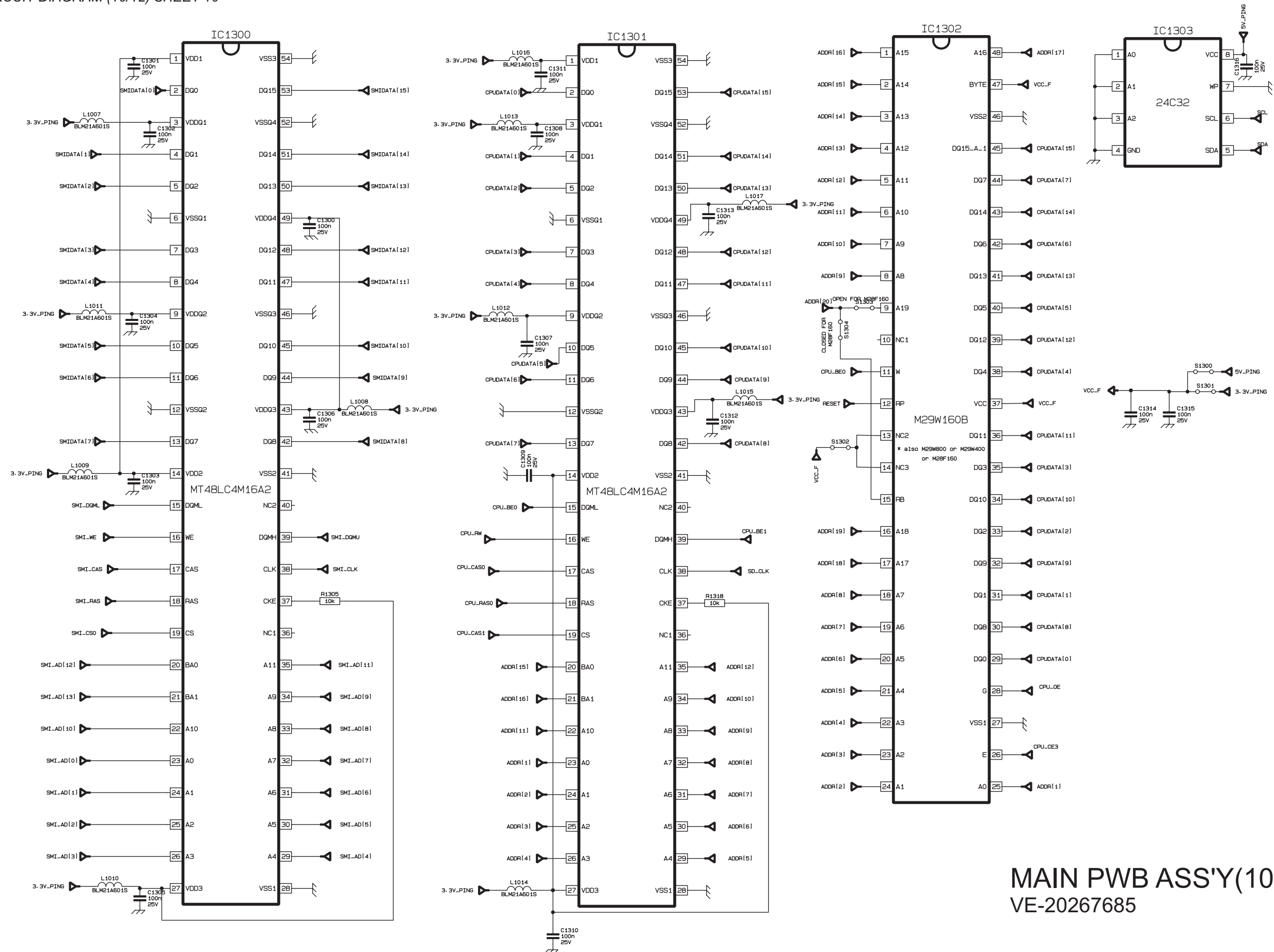


MAIN PWB ASS'Y(8/12)  
VE-20267685

IN CASE OF NEED FOR EXTRA SPACE IN LAYOUT ALL 14 SMD\_603x4 RESISTORS CAN BE REPLACED WITH SMD\_402X4 RESISTORS.

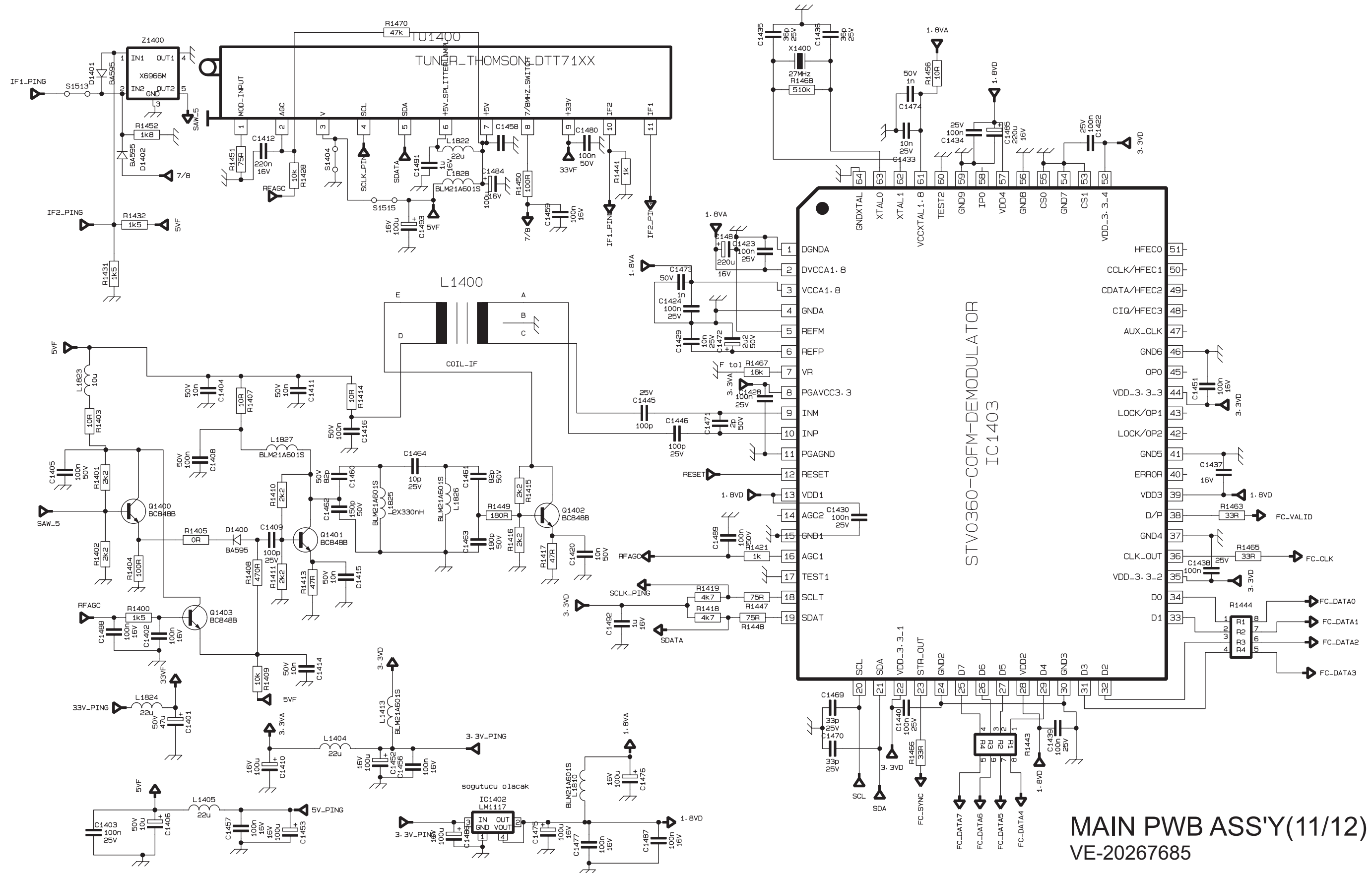


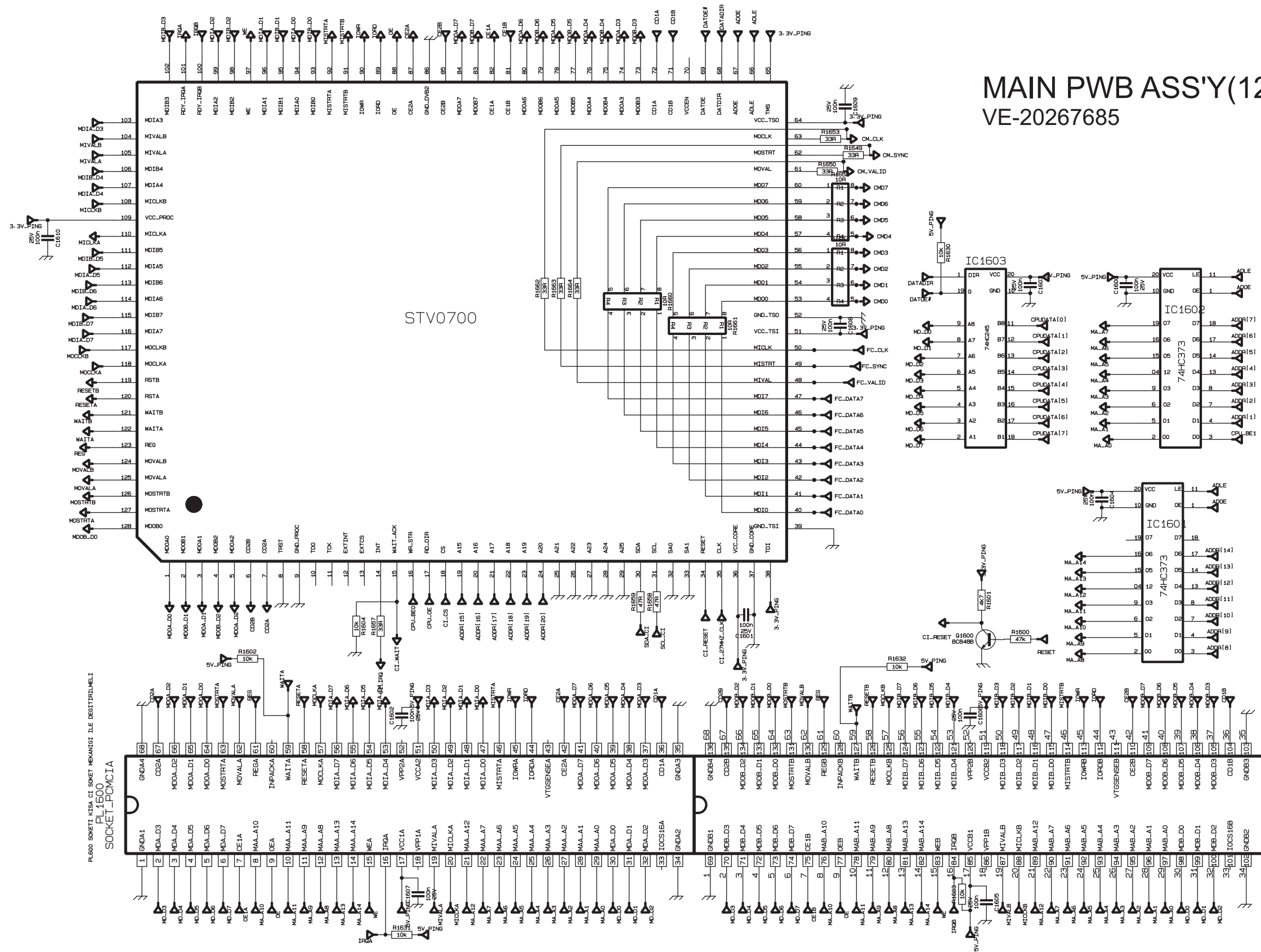
MAIN PWB ASS'Y(9/12)  
VE-20267685



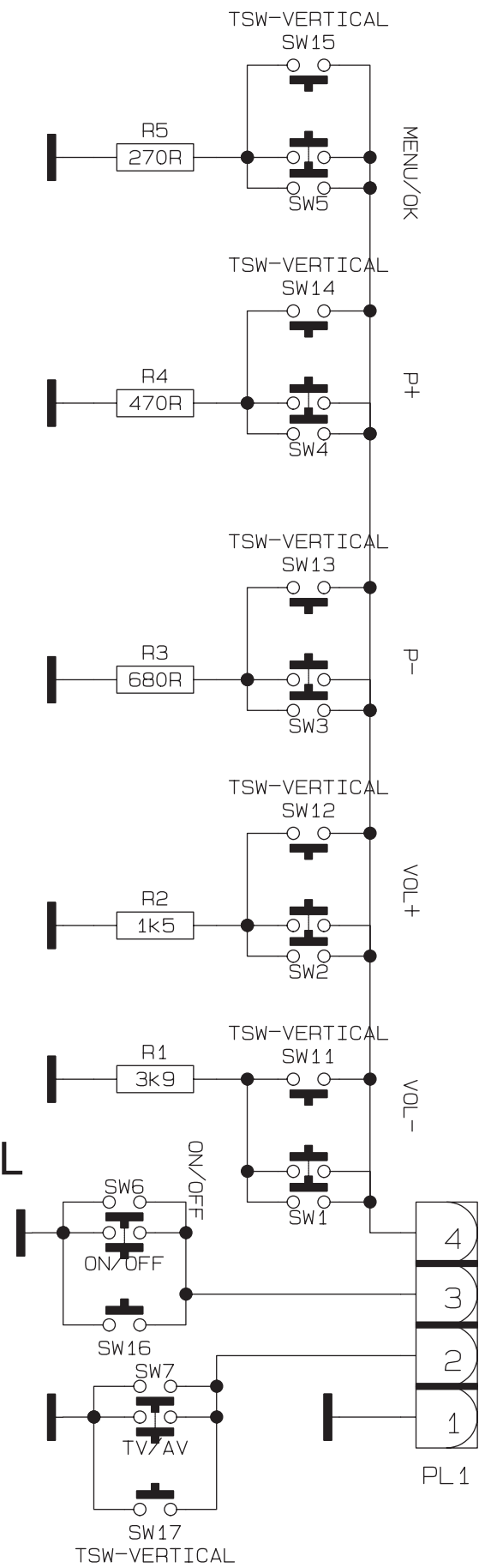
MAIN PWB ASS'Y(10/12)  
VE-20267685



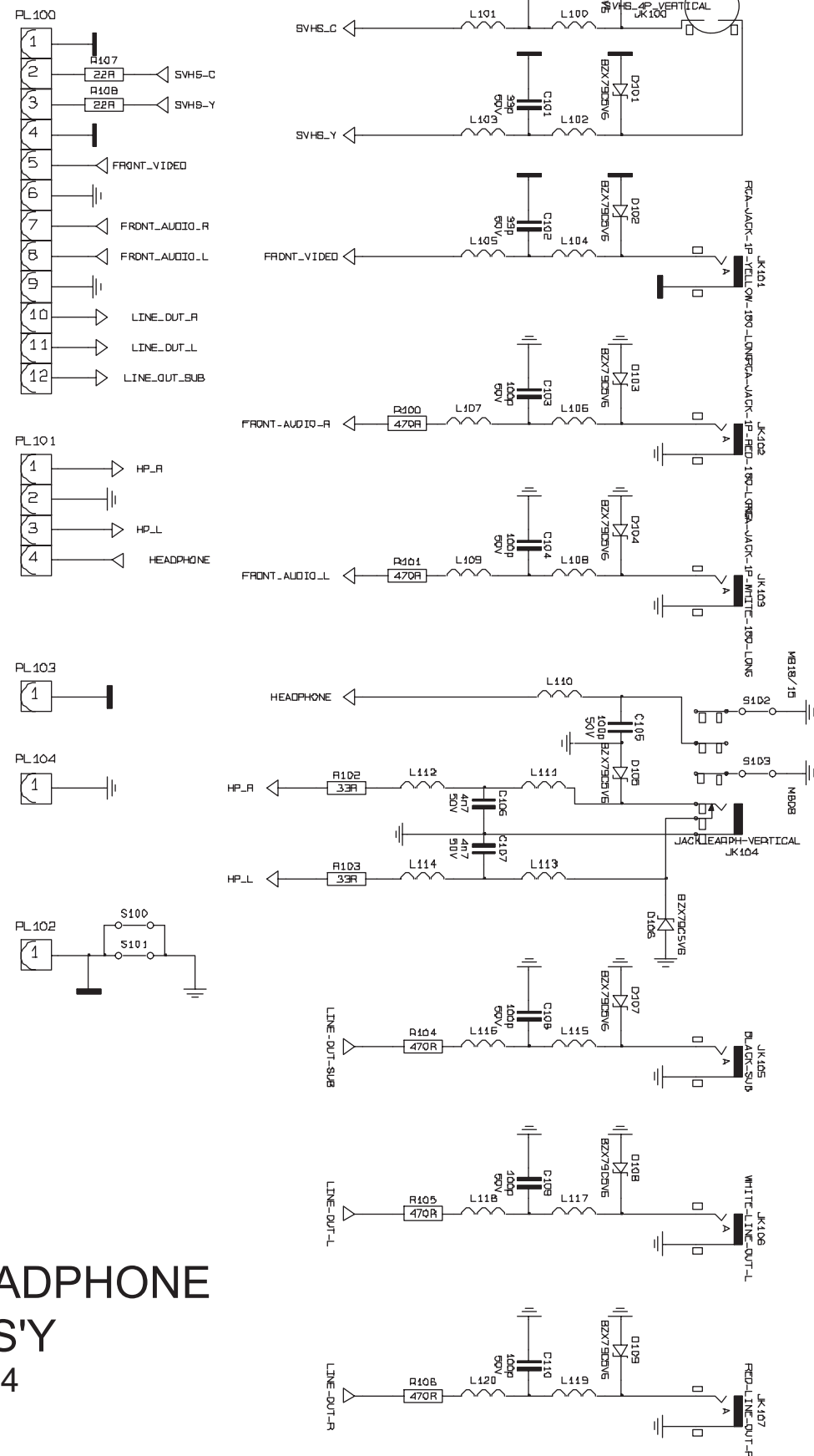




MAIN PWB ASS'Y(12/12)  
VE-20267685



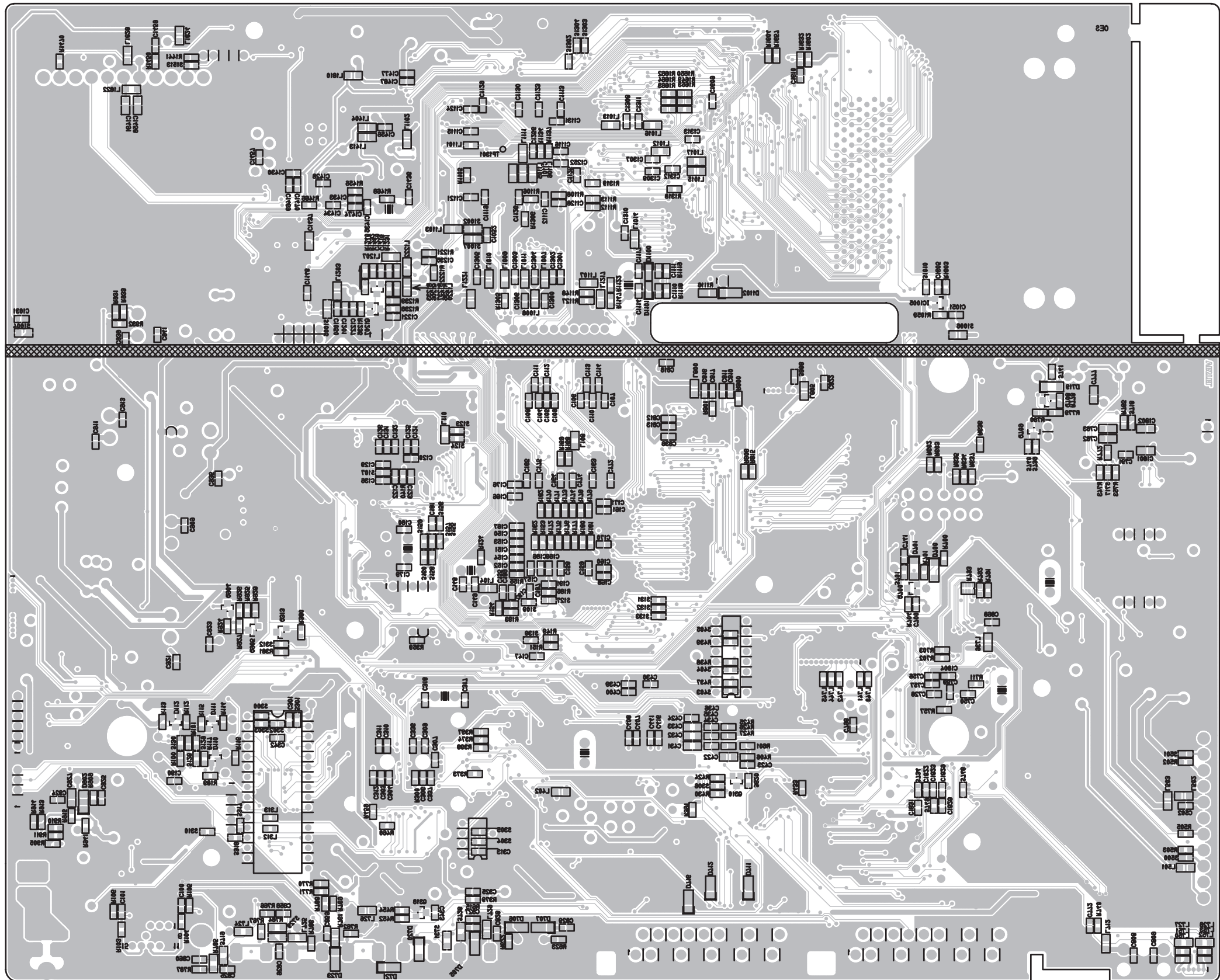
SIDE CONTROL  
PWB ASS'Y  
VE-20224821

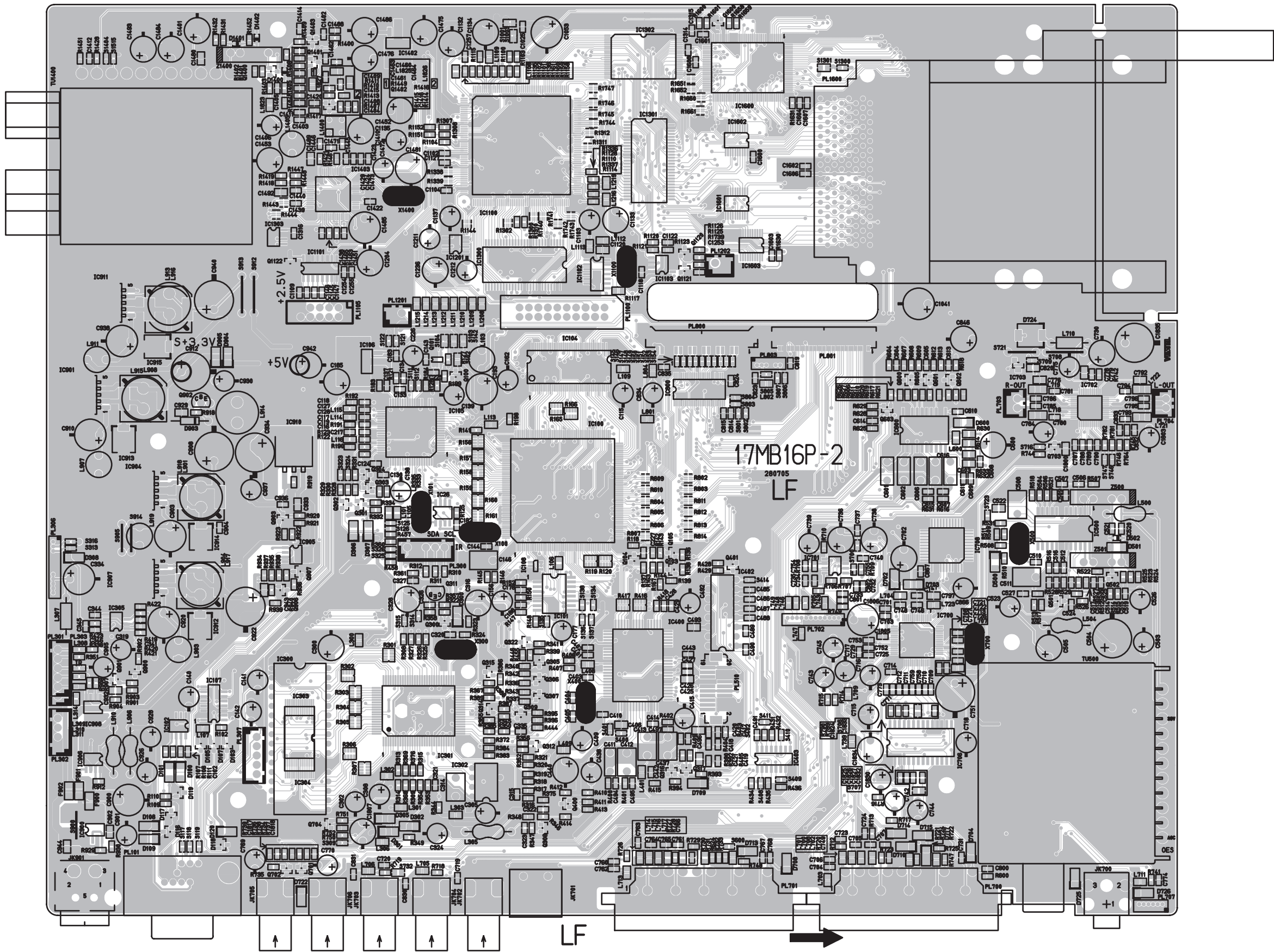


AV & HEADPHONE  
PWB ASS'Y  
VE-20242334



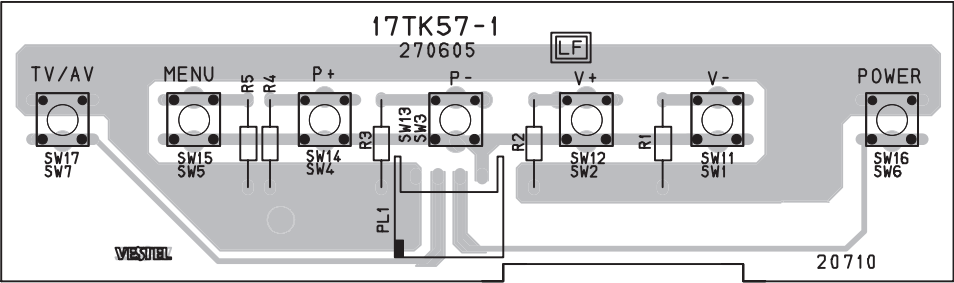
MAIN PWB PATTERN [SOLDER SIDE]



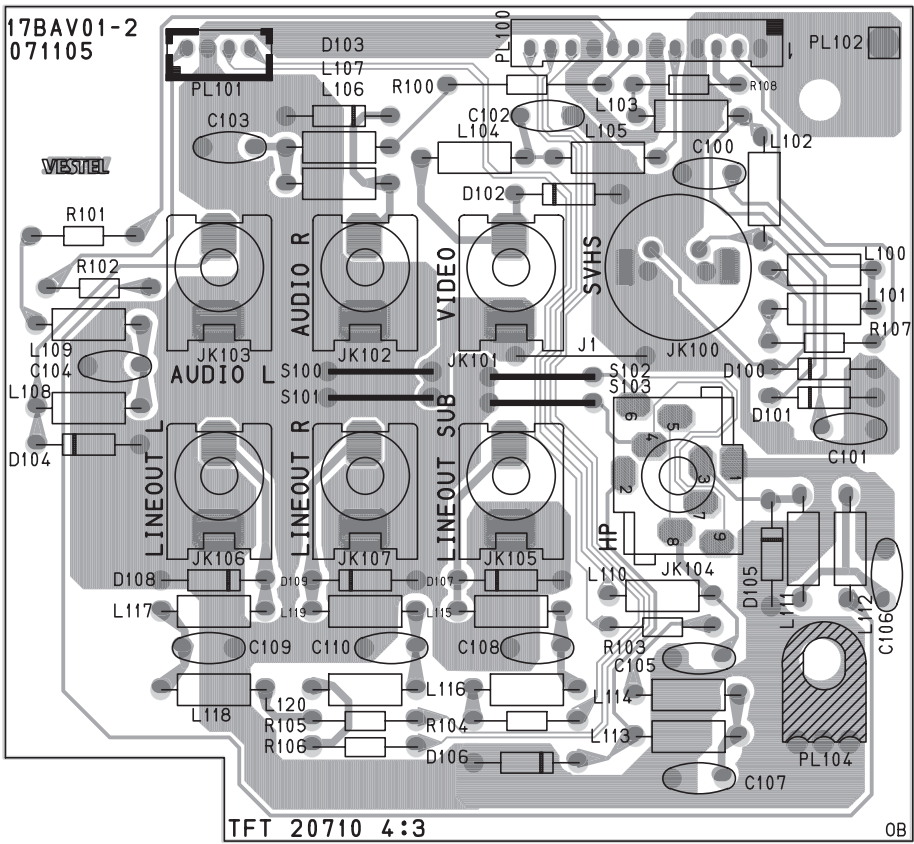




SIDE CONTROL PWB PATTERN



AV & HEADPHONE PWB PATTERN



# PARTS LIST

Preliminary

## CAUTION

- The parts identified by the  $\Delta$  symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

### ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

# CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT .....	3-2
EXPLODED VIEW PARTS LIST -1 .....	3-3
EXPLODED VIEW -1 .....	3-4
EXPLODED VIEW -2 .....	3-5
 PRINTED WIRING BOARD PARTS LIST [LT-20DJ5SFR] .....	 3-6
MAIN P.W. BOARD ASS'Y (VE-20267685) .....	3-6
SIDE CONTROL P.W. BOARD ASS'Y (VE-20224821) .....	3-13
AV JACK P.W. BOARD ASS'Y (VE-20242334) .....	3-13
 PRINTED WIRING BOARD PARTS LIST [LT-20DJ5SGE] .....	 3-14
MAIN P.W. BOARD ASS'Y (VE-20267685) .....	3-14
SIDE CONTROL P.W. BOARD ASS'Y (VE-20224821) .....	3-14
AV JACK P.W. BOARD ASS'Y (VE-20242334) .....	3-14
 PRINTED WIRING BOARD PARTS LIST [LT-20DJ5SSP] .....	 3-15
MAIN P.W. BOARD ASS'Y (VE-20267685) .....	3-15
SIDE CONTROL P.W. BOARD ASS'Y (VE-20224821) .....	3-15
AV JACK P.W. BOARD ASS'Y (VE-20242334) .....	3-15
 PACKING .....	 3-16
PACKING PARTS LIST .....	3-16

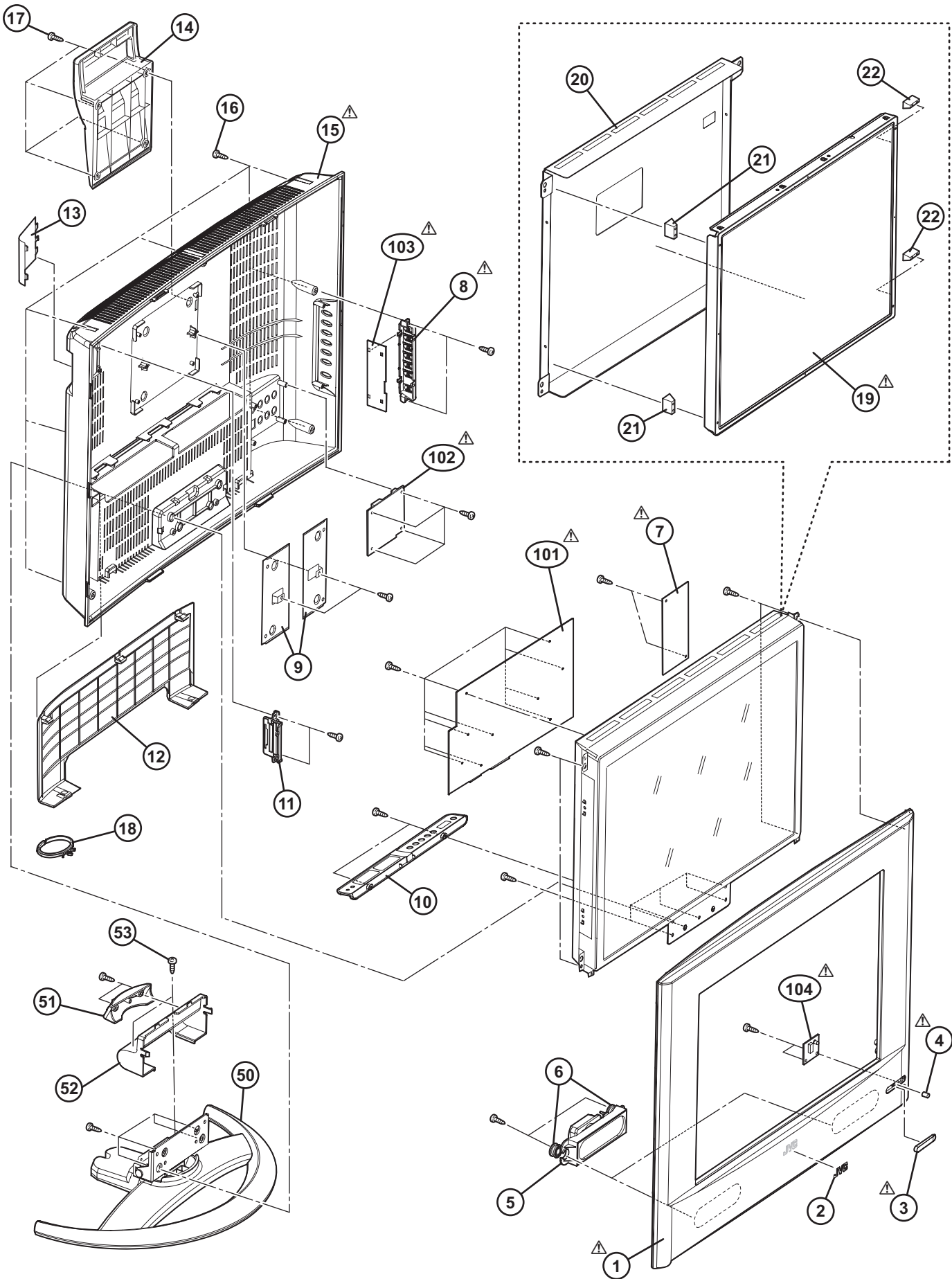
## USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y name	P.W.B ASS'Y No.		
	LT-20DJ5SFR	LT-20DJ5SGE	LT-20DJ5SSP
MAIN P.W.B	VE-20267685	←	←
SIDE CONTROL P.W.B	VE-20224821	←	←
AV JACK P.W.B	VE-20242334	←	←
LED PWB	VE-20238538	←	←
REMOTE CONTROL UNIT	VE-30044649	←	←

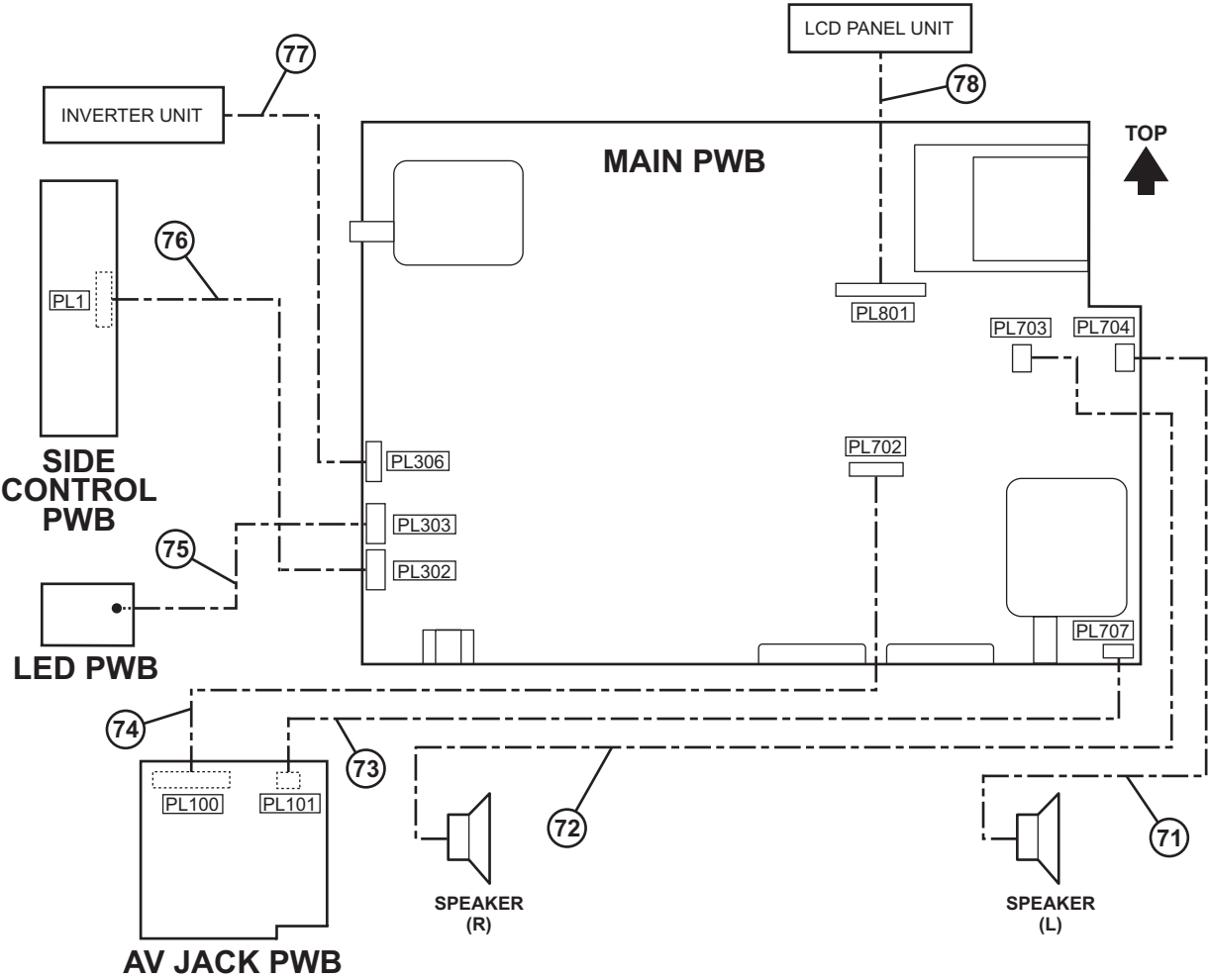
# EXPLODED VIEW PARTS LIST -1

△	Ref.No.	Part No.	Part Name	Description	Local
△	1	VE-20242970	FRONT COVER		
	2	VE-20181267	LOGO JVC		
△	3	VE-20233912	LED LENS		
△	4	VE-20102039	IR LENS		
	5	VE-30030145	SPEAKER	8ohm 5W 3x10cm(x2)	
	6	VE-40024101	RUBBER BUSH	(x4)	
△	7	VE-30040893	INVERTOR UNIT		
△	8	VE-20224812	FUNCTION BUTTON		
	9	VE-35012930	METAL HANG	(x2)	
	10	VE-20173333	BRACKET SOCKET COVER		
	11	VE-20184550	CI BRACKET		
	12	VE-20242976	BACK DOOR		
	13	VE-20242983	CARD SLOT DOOR		
	14	VE-20182430	HANDLE		
△	15	VE-20242975	BACK COVER		
	16	VE-35008191	SCREW	(M3x12) For BACK COVER(x7)	
	17	VE-35000185	SCREW	(M4x8) For HANDLE(x4)	
	18	VE-20176416	CABLE HOLDER		
△	19	VE-30046385	LCD PANEL UNIT		
	20	VE-35012866	FRAME		
	21	VE-20225352	DISPLAY BRACKET	LEFT(x2)	
	22	VE-20225353	DISPLAY BRACKET	RIGHT(x2)	
	50	VE-20255288	FOOT ASSEMBLY		
	51	VE-20224795	HINGE COVER		
	52	VE-20224794	FOOT TOP COVER		
	53	VE-35008090	SCREW	(M3.5x12) For FOOT TOP COVER(x2)	
	71	VE-30032464	E-HARNESS ASSY	MAIN PL704 - SPEAKER LEFT	
	72	VE-30036412	E-HARNESS ASSY	MAIN PL703 - SPEAKER RIGHT	
	73	VE-30044690	E-HARNESS ASSY	MAIN PL707 - AV JACK PL101	
	74	VE-30032123	E-HARNESS ASSY	MAIN PL702 - AV JACK PL100	
	75	VE-30023196	E-HARNESS ASSY	MAIN PL303 - LED	
	76	VE-30041133	E-HARNESS ASSY	MAIN PL302 - SIDE CONTROL PL1	
	77	VE-30029793	E-HARNESS ASSY	MAIN PL306 - INVERTERUNIT	
	78	VE-30029798	E-HARNESS ASSY	MAIN PL801 - LCD PANEL UNIT	
△	101	VE-20267685	MAIN PWB		
△	102	VE-20242334	AV JACK PWB		
△	103	VE-20224821	SIDE CONTROL PWB		
△	104	VE-20238538	LED PWB		

# EXPLODED VIEW -1



EXPLODED VIEW -2





# PRINTED WIRING BOARD PARTS LIST [LT-20DJ5SFR]

## MAIN P.W. BOARD ASS'Y (VE-20267685)

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
IC100	VE-30033063	IC	(SERVICE)	Q902	VE-30001454	TRANSISTOR	
IC101	VE-30047934	IC		Q903	VE-30001457	TRANSISTOR	
IC102	VE-20267686	IC		Q904	VE-30007798	TRANSISTOR	
IC104	VE-30019132	IC		Q905	VE-30007798	TRANSISTOR	
IC105	VE-30047670	IC		Q906	VE-30001457	TRANSISTOR	
IC106	VE-30033064	IC		Q907	VE-30001457	TRANSISTOR	
IC107	VE-30019372	IC		Q1120	VE-30001457	TRANSISTOR	
IC108	VE-30027533	IC		Q1121	VE-30001457	TRANSISTOR	
IC300	VE-30018652	IC		Q1206	VE-30012551	TRANSISTOR	
IC301	VE-30013571	IC		Q1207	VE-30012552	TRANSISTOR	
IC400	VE-30015059	IC		Q1400	VE-30016424	TRANSISTOR	
IC402	VE-30004999	IC		Q1401	VE-30016424	TRANSISTOR	
IC403	VE-30019372	IC		Q1402	VE-30016424	TRANSISTOR	
IC500	VE-30021083	IC		Q1403	VE-30001457	TRANSISTOR	
IC600	VE-30013686	IC		Q1600	VE-30001457	TRANSISTOR	
IC700	VE-30018263	IC		D100	VE-30001285	DIODE	
IC701	VE-30010024	IC		D101	VE-30001285	DIODE	
IC702	VE-30027663	IC		D103	VE-30007169	DIODE	
IC706	VE-30013416	IC		D105	VE-30007169	DIODE	
IC708	VE-30031906	IC		D107	VE-30007169	DIODE	
IC901	VE-30027613	IC		D108	VE-30038502	DIODE	
IC904	VE-30027612	IC		D109	VE-30038502	DIODE	
IC905	VE-30018029	TRANSISTOR		D110	VE-30007169	DIODE	
IC906	VE-30018326	IC		D111	VE-30007169	DIODE	
IC908	VE-30018029	TRANSISTOR		D112	VE-30007169	DIODE	
IC910	VE-30007739	IC		D116	VE-30007169	DIODE	
IC911	VE-30030067	IC		D117	VE-30007169	DIODE	
IC913	VE-30018574	DIODE		D118	VE-30007169	DIODE	
IC914	VE-30018574	DIODE		D119	VE-30007169	DIODE	
IC915	VE-30018574	DIODE		D120	VE-30038475	DIODE	
IC1100	VE-30036171	IC		D1X1	VE-30038502	DIODE	
IC1101	VE-30039048	IC		D300	VE-30038493	DIODE	
IC1102	VE-30030268	IC		D301	VE-30001285	DIODE	
IC1103	VE-30007366	IC		D302	VE-30001285	DIODE	
IC1201	VE-30036169	IC		D305	VE-30001285	DIODE	
IC1300	VE-30030321	IC		D306	VE-30001285	DIODE	
IC1301	VE-30030321	IC		D307	VE-30001285	DIODE	
IC1302	VE-30037013	IC		D500	VE-30001285	DIODE	
IC1303	VE-30010056	IC		D501	VE-30012411	DIODE	
IC1402	VE-30020607	IC		D600	VE-30038475	DIODE	
IC1403	VE-30039715	IC		D700	VE-30038479	DIODE	
IC1600	VE-30048063	IC		D701	VE-30001285	DIODE	
IC1601	VE-30039055	IC		D702	VE-30001285	DIODE	
IC1602	VE-30039055	IC		D703	VE-30001285	DIODE	
IC1603	VE-30039054	IC		D704	VE-30038475	DIODE	
				D705	VE-30038475	DIODE	
				D708	VE-30038475	DIODE	
				D709	VE-30038475	DIODE	
Q100	VE-30001457	TRANSISTOR		D710	VE-30038480	DIODE	
Q101	VE-30018060	TRANSISTOR		D711	VE-30038502	DIODE	
Q103	VE-30001457	TRANSISTOR		D712	VE-30038502	DIODE	
Q104	VE-30001457	TRANSISTOR		D713	VE-30038475	DIODE	
Q105	VE-30001457	TRANSISTOR		D714	VE-30038502	DIODE	
Q300	VE-30001458	TRANSISTOR		D715	VE-30038475	DIODE	
Q301	VE-30001457	TRANSISTOR		D716	VE-30038502	DIODE	
Q302	VE-30001457	TRANSISTOR		D717	VE-30038502	DIODE	
Q303	VE-30001457	TRANSISTOR		D719	VE-30001285	DIODE	
Q304	VE-30001457	TRANSISTOR		D720	VE-30038475	DIODE	
Q305	VE-30001457	TRANSISTOR		D721	VE-30038475	DIODE	
Q306	VE-30001457	TRANSISTOR		D722	VE-30038475	DIODE	
Q307	VE-30001457	TRANSISTOR		D723	VE-30038475	DIODE	
Q308	VE-30001458	TRANSISTOR		D724	VE-30018574	DIODE	
Q309	VE-30001457	TRANSISTOR		D725	VE-30038475	DIODE	
Q311	VE-30001423	TRANSISTOR		D726	VE-30038475	DIODE	
Q312	VE-30001457	TRANSISTOR		D902	VE-30001285	DIODE	
Q313	VE-30001457	TRANSISTOR		D903	VE-30001343	DIODE	
Q314	VE-30001457	TRANSISTOR		D905	VE-30001285	DIODE	
Q315	VE-30001457	TRANSISTOR		D1100	VE-30010689	DIODE	
Q316	VE-30001457	TRANSISTOR		D1101	VE-30010689	DIODE	
Q317	VE-30001457	TRANSISTOR		D1400	VE-30016425	DIODE	
Q318	VE-30001457	TRANSISTOR		D1401	VE-30019192	DIODE	
Q400	VE-30001457	TRANSISTOR		D1402	VE-30019192	DIODE	
Q501	VE-30001457	TRANSISTOR					
Q502	VE-30001457	TRANSISTOR		C100	VE-30012566	CAPACITOR	22pF 50V J
Q600	VE-30001457	TRANSISTOR		C101	VE-30012566	CAPACITOR	22pF 50V J
Q601	VE-30001457	TRANSISTOR		C102	VE-30016654	CAPACITOR	100nF 16V K
Q602	VE-30001457	TRANSISTOR		C104	VE-30016654	CAPACITOR	100nF 16V K
Q603	VE-30001457	TRANSISTOR		C105	VE-30016654	CAPACITOR	100nF 16V K
Q700	VE-30001458	TRANSISTOR		C106	VE-30016654	CAPACITOR	100nF 16V K
Q701	VE-30001457	TRANSISTOR		C107	VE-30016654	CAPACITOR	100nF 16V K
Q702	VE-30001457	TRANSISTOR		C108	VE-30012582	CAPACITOR	10nF 50V K
Q703	VE-30001457	TRANSISTOR		C109	VE-30012582	CAPACITOR	10nF 50V K
Q704	VE-30001457	TRANSISTOR		C110	VE-30012582	CAPACITOR	10nF 50V K
Q708	VE-30001458	TRANSISTOR		C111	VE-30012582	CAPACITOR	10nF 50V K
Q709	VE-30001457	TRANSISTOR		C112	VE-30016654	CAPACITOR	100nF 16V K
Q900	VE-30001457	TRANSISTOR		C113	VE-30012582	CAPACITOR	10nF 50V K
Q901	VE-30001457	TRANSISTOR					

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C114	VE-30016654	CAPACITOR	100nF 16V K	C319	VE-30000371	E CAPACITOR	22uF 50V M
C115	VE-30000371	E CAPACITOR	22uF 50V M	C320	VE-30016654	CAPACITOR	100nF 16V K
C116	VE-30016654	CAPACITOR	100nF 16V K	C321	VE-30016654	CAPACITOR	100nF 16V K
C117	VE-30016654	CAPACITOR	100nF 16V K	C324	VE-30000371	E CAPACITOR	22uF 50V M
C118	VE-30016654	CAPACITOR	100nF 16V K	C325	VE-30012607	CAPACITOR	150pF 50V J
C120	VE-30016654	CAPACITOR	100nF 16V K	C326	VE-30012569	CAPACITOR	33pF 50V J
C121	VE-30016654	CAPACITOR	100nF 16V K	C327	VE-30016654	CAPACITOR	100nF 16V K
C122	VE-30016654	CAPACITOR	100nF 16V K	C328	VE-30000352	E CAPACITOR	100uF 16V M
C123	VE-30016654	CAPACITOR	100nF 16V K	C336	VE-30012560	CAPACITOR	100pF 50V J
C124	VE-30016654	CAPACITOR	100nF 16V K	C337	VE-30016654	CAPACITOR	100nF 16V K
C125	VE-30016654	CAPACITOR	100nF 16V K	C343	VE-30012560	CAPACITOR	100pF 50V J
C126	VE-30016654	CAPACITOR	100nF 16V K	C400	VE-30016654	CAPACITOR	100nF 16V K
C127	VE-30016654	CAPACITOR	100nF 16V K	C401	VE-30012581	CAPACITOR	1nF 50V K
C128	VE-30016654	CAPACITOR	100nF 16V K	C402	VE-30016654	CAPACITOR	100nF 16V K
C129	VE-30016654	CAPACITOR	100nF 16V K	C403	VE-30016654	CAPACITOR	100nF 16V K
C130	VE-30016654	CAPACITOR	100nF 16V K	C404	VE-30012613	CAPACITOR	3.3pF 50V C
C131	VE-30016654	CAPACITOR	100nF 16V K	C405	VE-30012613	CAPACITOR	3.3pF 50V C
C132	VE-30012581	CAPACITOR	1nF 50V K	C406	VE-30000315	CAPACITOR	220nF 25V Z
C133	VE-30012589	CAPACITOR	4.7nF 50V K	C407	VE-30012581	CAPACITOR	1nF 50V K
C134	VE-30012589	CAPACITOR	4.7nF 50V K	C408	VE-30012572	CAPACITOR	390pF 50V J
C136	VE-30016654	CAPACITOR	100nF 16V K	C409	VE-30000345	E CAPACITOR	10uF 50V M
C137	VE-30016654	CAPACITOR	100nF 16V K	C410	VE-30016654	CAPACITOR	100nF 16V K
C138	VE-30000371	E CAPACITOR	22uF 50V M	C411	VE-30000068	CAPACITOR	1nF 53V K
C139	VE-30000371	E CAPACITOR	22uF 50V M	C412	VE-30007082	CAPACITOR	680nF 63V J
C140	VE-30000371	E CAPACITOR	22uF 50V M	C413	VE-30007082	CAPACITOR	680nF 63V J
C141	VE-30000371	E CAPACITOR	22uF 50V M	C414	VE-30012582	CAPACITOR	10nF 50V K
C142	VE-30000371	E CAPACITOR	22uF 50V M	C415	VE-30000345	E CAPACITOR	10uF 50V M
C143	VE-30016654	CAPACITOR	100nF 16V K	C416	VE-30012590	CAPACITOR	47nF 50V K
C144	VE-30016654	CAPACITOR	100nF 16V K	C420	VE-30000294	CAPACITOR	100nF 50V K
C146	VE-30000109	CAPACITOR	470nF 63V J	C421	VE-30000294	CAPACITOR	100nF 50V K
C147	VE-30016654	CAPACITOR	100nF 16V K	C422	VE-30000294	CAPACITOR	100nF 50V K
C148	VE-30012575	CAPACITOR	4.7pF 50V C	C424	VE-30016654	CAPACITOR	100nF 16V K
C149	VE-30012575	CAPACITOR	4.7pF 50V C	C425	VE-30000315	CAPACITOR	220nF 25V Z
C150	VE-30016654	CAPACITOR	100nF 16V K	C426	VE-30012581	CAPACITOR	1nF 50V K
C151	VE-30016654	CAPACITOR	100nF 16V K	C427	VE-30012572	CAPACITOR	390pF 50V J
C152	VE-30016654	CAPACITOR	100nF 16V K	C428	VE-30016654	CAPACITOR	100nF 16V K
C153	VE-30012567	CAPACITOR	220pF 50V J	C429	VE-30012581	CAPACITOR	1nF 50V K
C154	VE-30012567	CAPACITOR	220pF 50V J	C430	VE-30016654	CAPACITOR	100nF 16V K
C155	VE-30012567	CAPACITOR	220pF 50V J	C437	VE-30007082	CAPACITOR	680nF 63V J
C156	VE-30000371	E CAPACITOR	22uF 50V M	C438	VE-30000371	E CAPACITOR	22uF 50V M
C157	VE-30016654	CAPACITOR	100nF 16V K	C439	VE-30016654	CAPACITOR	100nF 16V K
C158	VE-30012567	CAPACITOR	220pF 50V J	C440	VE-30000352	E CAPACITOR	100uF 16V M
C159	VE-30016654	CAPACITOR	100nF 16V K	C441	VE-30016654	CAPACITOR	100nF 16V K
C160	VE-30012567	CAPACITOR	220pF 50V J	C442	VE-30012569	CAPACITOR	33pF 50V J
C161	VE-30012567	CAPACITOR	220pF 50V J	C443	VE-30016654	CAPACITOR	100nF 16V K
C162	VE-30000371	E CAPACITOR	22uF 50V M	C485	VE-30016654	CAPACITOR	100nF 16V K
C163	VE-30016654	CAPACITOR	100nF 16V K	C486	VE-30016654	CAPACITOR	100nF 16V K
C164	VE-30012567	CAPACITOR	220pF 50V J	C487	VE-30016654	CAPACITOR	100nF 16V K
C165	VE-30016654	CAPACITOR	100nF 16V K	C488	VE-30016654	CAPACITOR	100nF 16V K
C166	VE-30012567	CAPACITOR	220pF 50V J	C489	VE-30016654	CAPACITOR	100nF 16V K
C167	VE-30016654	CAPACITOR	100nF 16V K	C490	VE-30016654	CAPACITOR	100nF 16V K
C168	VE-30016654	CAPACITOR	100nF 16V K	C491	VE-30016654	CAPACITOR	100nF 16V K
C169	VE-30012567	CAPACITOR	220pF 50V J	C492	VE-30000345	E CAPACITOR	10uF 50V M
C170	VE-30012567	CAPACITOR	220pF 50V J	C493	VE-30000294	CAPACITOR	100nF 50V K
C171	VE-30016654	CAPACITOR	100nF 16V K	C494	VE-30012574	CAPACITOR	470pF 50V J
C172	VE-30012567	CAPACITOR	220pF 50V J	C495	VE-30012574	CAPACITOR	470pF 50V J
C174	VE-30016654	CAPACITOR	100nF 16V K	C496	VE-30012574	CAPACITOR	470pF 50V J
C175	VE-30012567	CAPACITOR	220pF 50V J	C502	VE-30016654	CAPACITOR	100nF 16V K
C176	VE-30016654	CAPACITOR	100nF 16V K	C503	VE-30000345	E CAPACITOR	10uF 50V M
C177	VE-30000371	E CAPACITOR	22uF 50V M	C504	VE-30000407	E CAPACITOR	470uF 16V M
C178	VE-30016654	CAPACITOR	100nF 16V K	C505	VE-30000400	E CAPACITOR	47uF 50V M
C183	VE-30016654	CAPACITOR	100nF 16V K	C506	VE-30012582	CAPACITOR	10nF 50V K
C185	VE-30000352	E CAPACITOR	100uF 16V M	C507	VE-30012572	CAPACITOR	390pF 50V J
C187	VE-30012576	CAPACITOR	56pF 50V J	C508	VE-30000109	CAPACITOR	470nF 63V J
C189	VE-30016654	CAPACITOR	100nF 16V K	C509	VE-30012582	CAPACITOR	10nF 50V K
C190	VE-30016654	CAPACITOR	100nF 16V K	C510	VE-30012566	CAPACITOR	22pF 50V J
C191	VE-30016654	CAPACITOR	100nF 16V K	C511	VE-30000109	CAPACITOR	470nF 63V J
C192	VE-30016654	CAPACITOR	100nF 16V K	C512	VE-30016654	CAPACITOR	100nF 16V K
C193	VE-30000375	E CAPACITOR	220uF 16V M	C513	VE-30012581	CAPACITOR	1nF 50V K
C217	VE-30012581	CAPACITOR	1nF 50V K	C514	VE-30012582	CAPACITOR	10nF 50V K
C225	VE-30016126	CAPACITOR	220nF 16V K	C515	VE-30016654	CAPACITOR	100nF 16V K
C300	VE-30000352	E CAPACITOR	100uF 16V M	C519	VE-30016654	CAPACITOR	100nF 16V K
C301	VE-30016654	CAPACITOR	100nF 16V K	C520	VE-30012582	CAPACITOR	10nF 50V K
C302	VE-30000352	E CAPACITOR	100uF 16V M	C522	VE-30000315	CAPACITOR	220nF 25V Z
C303	VE-30016654	CAPACITOR	100nF 16V K	C523	VE-30000371	E CAPACITOR	22uF 50V M
C304	VE-30016654	CAPACITOR	100nF 16V K	C524	VE-30016654	CAPACITOR	100nF 16V K
C305	VE-30000371	E CAPACITOR	22uF 50V M	C525	VE-30016654	CAPACITOR	100nF 16V K
C306	VE-30016654	CAPACITOR	100nF 16V K	C526	VE-30000345	E CAPACITOR	10uF 50V M
C307	VE-30016654	CAPACITOR	100nF 16V K	C600	VE-30000352	E CAPACITOR	100uF 16V M
C308	VE-30000352	E CAPACITOR	100uF 16V M	C601	VE-30000074	CAPACITOR	100nF 63V J
C309	VE-30016654	CAPACITOR	100nF 16V K	C603	VE-30000074	CAPACITOR	100nF 63V J
C310	VE-30016654	CAPACITOR	100nF 16V K	C604	VE-30016654	CAPACITOR	100nF 16V K
C311	VE-30016654	CAPACITOR	100nF 16V K	C605	VE-30016654	CAPACITOR	100nF 16V K
C312	VE-30016654	CAPACITOR	100nF 16V K	C606	VE-30000074	CAPACITOR	100nF 63V J
C313	VE-30016654	CAPACITOR	100nF 16V K	C607	VE-30012569	CAPACITOR	33pF 50V J
C314	VE-30000109	CAPACITOR	470nF 63V J	C608	VE-30016654	CAPACITOR	100nF 16V K
C315	VE-30016654	CAPACITOR	100nF 16V K	C609	VE-30016654	CAPACITOR	100nF 16V K
C316	VE-30000352	E CAPACITOR	100uF 16V M	C610	VE-30016654	CAPACITOR	100nF 16V K
C317	VE-30012569	CAPACITOR	33pF 50V J	C611	VE-30016654	CAPACITOR	100nF 16V K
C318	VE-30012569	CAPACITOR	33pF 50V J	C613	VE-30016654	CAPACITOR	100nF 16V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C614	VE-30016654	CAPACITOR	100nF 16V K	C787	VE-30020694	CAPACITOR	1uF 16V Z
C615	VE-30012569	CAPACITOR	33pF 50V J	C788	VE-30020694	CAPACITOR	1uF 16V Z
C616	VE-30000074	CAPACITOR	100nF 63V J	C789	VE-30020694	CAPACITOR	1uF 16V Z
C700	VE-30016654	CAPACITOR	100nF 16V K	C790	VE-30020694	CAPACITOR	1uF 16V Z
C701	VE-30012581	CAPACITOR	1nF 50V K	C791	VE-30020694	CAPACITOR	1uF 16V Z
C702	VE-30000352	E CAPACITOR	100uF 16V M	C792	VE-30010555	CAPACITOR	1uF 16V K
C703	VE-30012581	CAPACITOR	1nF 50V K	C793	VE-30012582	CAPACITOR	10nF 50V K
C704	VE-30012589	CAPACITOR	4.7nF 50V K	C794	VE-30012582	CAPACITOR	10nF 50V K
C705	VE-30012589	CAPACITOR	4.7nF 50V K	C795	VE-30012581	CAPACITOR	1nF 50V K
C706	VE-30012589	CAPACITOR	4.7nF 50V K	C796	VE-30012581	CAPACITOR	1nF 50V K
C707	VE-30012589	CAPACITOR	4.7nF 50V K	C797	VE-30000294	CAPACITOR	100nF 50V K
C708	VE-30016654	CAPACITOR	100nF 16V K	C798	VE-30012567	CAPACITOR	220pF 50V J
C709	VE-30016126	CAPACITOR	220nF 16V K	C799	VE-30012568	CAPACITOR	270pF 50V J
C710	VE-30016126	CAPACITOR	220nF 16V K	C808	VE-30012574	CAPACITOR	470pF 50V J
C711	VE-30016126	CAPACITOR	220nF 16V K	C809	VE-30012574	CAPACITOR	470pF 50V J
C712	VE-30016126	CAPACITOR	220nF 16V K	C818	VE-30012576	CAPACITOR	56pF 50V J
C713	VE-30012579	CAPACITOR	82pF 50V J	C819	VE-30012560	CAPACITOR	100pF 50V J
C714	VE-30016654	CAPACITOR	100nF 16V K	C822	VE-30012559	CAPACITOR	10pF 50V D
C715	VE-30000393	E CAPACITOR	3.3uF 50V M	C825	VE-30012574	CAPACITOR	470pF 50V J
C716	VE-30000345	E CAPACITOR	10uF 50V M	C826	VE-30012574	CAPACITOR	470pF 50V J
C717	VE-30000345	E CAPACITOR	10uF 50V M	C827	VE-30012574	CAPACITOR	470pF 50V J
C718	VE-30000345	E CAPACITOR	10uF 50V M	C830	VE-30012574	CAPACITOR	470pF 50V J
C719	VE-30012581	CAPACITOR	1nF 50V K	C831	VE-30012574	CAPACITOR	470pF 50V J
C720	VE-30012581	CAPACITOR	1nF 50V K	C832	VE-30020694	CAPACITOR	1uF 16V Z
C721	VE-30012565	CAPACITOR	1.8pF 50V J	C833	VE-30020694	CAPACITOR	1uF 16V Z
C722	VE-30012565	CAPACITOR	1.8pF 50V J	C846	VE-30000353	E CAPACITOR	100uF 25V M
C723	VE-30012581	CAPACITOR	1nF 50V K	C858	VE-30012569	CAPACITOR	33pF 50V J
C724	VE-30012581	CAPACITOR	1nF 50V K	C859	VE-30012569	CAPACITOR	33pF 50V J
C725	VE-30012581	CAPACITOR	1nF 50V K	C860	VE-30012569	CAPACITOR	33pF 50V J
C726	VE-30012579	CAPACITOR	82pF 50V J	C866	VE-30000345	E CAPACITOR	10uF 50V M
C727	VE-30016654	CAPACITOR	100nF 16V K	C867	VE-30016654	CAPACITOR	100nF 16V K
C728	VE-30016654	CAPACITOR	100nF 16V K	C868	VE-30012582	CAPACITOR	10nF 50V K
C729	VE-30012581	CAPACITOR	1nF 50V K	C900	VE-30000354	E CAPACITOR	100uF 35V M
C730	VE-30000352	E CAPACITOR	100uF 16V M	C903	VE-30018901	E CAPACITOR	100uF 50V M
C731	VE-30012607	CAPACITOR	150pF 50V J	C904	VE-30012581	CAPACITOR	1nF 50V K
C732	VE-30016126	CAPACITOR	220nF 16V K	C908	VE-30005819	E CAPACITOR	1000uF 16V M
C733	VE-30016126	CAPACITOR	220nF 16V K	C909	VE-30016654	CAPACITOR	100nF 16V K
C734	VE-30016654	CAPACITOR	100nF 16V K	C910	VE-30018901	E CAPACITOR	100uF 50V M
C735	VE-30012581	CAPACITOR	1nF 50V K	C911	VE-30012581	CAPACITOR	1nF 50V K
C736	VE-30000352	E CAPACITOR	100uF 16V M	C912	VE-30031826	E CAPACITOR	4700uF 6.3V M
C737	VE-30012589	CAPACITOR	4.7nF 50V K	C913	VE-30016654	CAPACITOR	100nF 16V K
C738	VE-30000352	E CAPACITOR	100uF 16V M	C921	VE-30012581	CAPACITOR	1nF 50V K
C739	VE-30000400	E CAPACITOR	47uF 50V M	C924	VE-30012576	CAPACITOR	56pF 50V J
C740	VE-30012581	CAPACITOR	1nF 50V K	C925	VE-30012560	CAPACITOR	100pF 50V J
C741	VE-30012589	CAPACITOR	4.7nF 50V K	C926	VE-30000371	E CAPACITOR	22uF 50V M
C742	VE-30000371	E CAPACITOR	22uF 50V M	C927	VE-30000294	CAPACITOR	100nF 50V K
C743	VE-30000371	E CAPACITOR	22uF 50V M	C928	VE-30000345	E CAPACITOR	10uF 50V M
C744	VE-30000371	E CAPACITOR	22uF 50V M	C929	VE-30000294	CAPACITOR	100nF 50V K
C745	VE-30000371	E CAPACITOR	22uF 50V M	C930	VE-30024336	E CAPACITOR	22uF 50V
C746	VE-30012567	CAPACITOR	220pF 50V J	C932	VE-30000294	CAPACITOR	100nF 50V K
C747	VE-30012574	CAPACITOR	470pF 50V J	C933	VE-30000294	CAPACITOR	100nF 50V K
C748	VE-30012582	CAPACITOR	10nF 50V K	C934	VE-30005819	E CAPACITOR	1000uF 16V M
C749	VE-30016654	CAPACITOR	100nF 16V K	C935	VE-30016654	CAPACITOR	100nF 16V K
C750	VE-30012576	CAPACITOR	56pF 50V J	C936	VE-30016654	CAPACITOR	100nF 16V K
C751	VE-30000407	E CAPACITOR	470uF 16V M	C937	VE-30000371	E CAPACITOR	22uF 50V M
C752	VE-30012581	CAPACITOR	1nF 50V K	C938	VE-30018901	E CAPACITOR	100uF 50V M
C753	VE-30012581	CAPACITOR	1nF 50V K	C939	VE-30012581	CAPACITOR	1nF 50V K
C754	VE-30012574	CAPACITOR	470pF 50V J	C940	VE-30000359	E CAPACITOR	1000uF 16V M
C755	VE-30012574	CAPACITOR	470pF 50V J	C941	VE-30016654	CAPACITOR	100nF 16V K
C756	VE-30012581	CAPACITOR	1nF 50V K	C942	VE-30000352	E CAPACITOR	100uF 16V M
C757	VE-30012581	CAPACITOR	1nF 50V K	C943	VE-30000294	CAPACITOR	100nF 50V K
C758	VE-30016126	CAPACITOR	220nF 16V K	C1025	VE-30020694	CAPACITOR	1uF 16V Z
C759	VE-30016126	CAPACITOR	220nF 16V K	C1041	VE-30000407	E CAPACITOR	470uF 16V M
C760	VE-30012581	CAPACITOR	1nF 50V K	C1050	VE-30020694	CAPACITOR	1uF 16V Z
C761	VE-30012581	CAPACITOR	1nF 50V K	C1051	VE-30020694	CAPACITOR	1uF 16V Z
C762	VE-30012589	CAPACITOR	4.7nF 50V K	C1052	VE-30020694	CAPACITOR	1uF 16V Z
C763	VE-30012589	CAPACITOR	4.7nF 50V K	C1053	VE-30000375	E CAPACITOR	220uF 16V M
C764	VE-30012589	CAPACITOR	4.7nF 50V K	C1101	VE-30010555	CAPACITOR	1uF 16V K
C765	VE-30012589	CAPACITOR	4.7nF 50V K	C1102	VE-30012582	CAPACITOR	10nF 50V K
C766	VE-30016654	CAPACITOR	100nF 16V K	C1103	VE-30000345	E CAPACITOR	10uF 50V M
C767	VE-30012607	CAPACITOR	150pF 50V J	C1104	VE-30012582	CAPACITOR	10nF 50V K
C768	VE-30012607	CAPACITOR	150pF 50V J	C1109	VE-30016654	CAPACITOR	100nF 16V K
C769	VE-30000371	E CAPACITOR	22uF 50V M	C1110	VE-30012564	CAPACITOR	18pF 50V J
C770	VE-30000371	E CAPACITOR	22uF 50V M	C1111	VE-30012564	CAPACITOR	18pF 50V J
C771	VE-30016126	CAPACITOR	220nF 16V K	C1112	VE-30016654	CAPACITOR	100nF 16V K
C772	VE-30012581	CAPACITOR	1nF 50V K	C1113	VE-30016654	CAPACITOR	100nF 16V K
C773	VE-30016126	CAPACITOR	220nF 16V K	C1114	VE-30016654	CAPACITOR	100nF 16V K
C774	VE-30012581	CAPACITOR	1nF 50V K	C1115	VE-30016654	CAPACITOR	100nF 16V K
C775	VE-30000345	E CAPACITOR	10uF 50V M	C1116	VE-30016654	CAPACITOR	100nF 16V K
C776	VE-30010555	CAPACITOR	1uF 16V K	C1117	VE-30016654	CAPACITOR	100nF 16V K
C777	VE-30000294	CAPACITOR	100nF 50V K	C1118	VE-30016654	CAPACITOR	100nF 16V K
C778	VE-30000294	CAPACITOR	100nF 50V K	C1119	VE-30016654	CAPACITOR	100nF 16V K
C779	VE-30012567	CAPACITOR	220pF 50V J	C1120	VE-30000294	CAPACITOR	100nF 50V K
C780	VE-30012582	CAPACITOR	10nF 50V K	C1121	VE-30016654	CAPACITOR	100nF 16V K
C781	VE-30012582	CAPACITOR	10nF 50V K	C1122	VE-30012570	CAPACITOR	330pF 50V J
C782	VE-30000294	CAPACITOR	100nF 50V K	C1123	VE-30016654	CAPACITOR	100nF 16V K
C783	VE-30000294	CAPACITOR	100nF 50V K	C1124	VE-30016654	CAPACITOR	100nF 16V K
C784	VE-30000345	E CAPACITOR	10uF 50V M	C1125	VE-30016654	CAPACITOR	100nF 16V K
C785	VE-30012581	CAPACITOR	1nF 50V K	C1126	VE-30016654	CAPACITOR	100nF 16V K
C786	VE-30012581	CAPACITOR	1nF 50V K	C1127	VE-30016654	CAPACITOR	100nF 16V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C1128	VE-30016654	CAPACITOR	100nF 16V K	C1474	VE-30012581	CAPACITOR	1nF 50V K
C1129	VE-30016654	CAPACITOR	100nF 16V K	C1475	VE-30000352	E CAPACITOR	100uF 16V M
C1130	VE-30016654	CAPACITOR	100nF 16V K	C1476	VE-30000352	E CAPACITOR	100uF 16V M
C1131	VE-30016654	CAPACITOR	100nF 16V K	C1477	VE-30016654	CAPACITOR	100nF 16V K
C1132	VE-30000352	E CAPACITOR	100uF 16V M	C1480	VE-30000294	CAPACITOR	100nF 50V K
C1133	VE-30000352	E CAPACITOR	100uF 16V M	C1481	VE-30000375	E CAPACITOR	220uF 16V M
C1134	VE-30000352	E CAPACITOR	100uF 16V M	C1484	VE-30000352	E CAPACITOR	100uF 16V M
C1135	VE-30000345	E CAPACITOR	10uF 50V M	C1485	VE-30000375	E CAPACITOR	220uF 16V M
C1137	VE-30000345	E CAPACITOR	10uF 50V M	C1486	VE-30000352	E CAPACITOR	100uF 16V M
C1145	VE-30016654	CAPACITOR	100nF 16V K	C1487	VE-30016654	CAPACITOR	100nF 16V K
C1146	VE-30016654	CAPACITOR	100nF 16V K	C1489	VE-30020694	CAPACITOR	1uF 16V Z
C1147	VE-30016654	CAPACITOR	100nF 16V K	C1600	VE-30016654	CAPACITOR	100nF 16V K
C1148	VE-30016654	CAPACITOR	100nF 16V K	C1601	VE-30016654	CAPACITOR	100nF 16V K
C1201	VE-30016654	CAPACITOR	100nF 16V K	C1602	VE-30016654	CAPACITOR	100nF 16V K
C1204	VE-30000353	E CAPACITOR	100uF 25V M	C1603	VE-30016654	CAPACITOR	100nF 16V K
C1211	VE-30000384	E CAPACITOR	2.2uF 50V M	C1604	VE-30016654	CAPACITOR	100nF 16V K
C1212	VE-30000384	E CAPACITOR	2.2uF 50V M	C1605	VE-30016654	CAPACITOR	100nF 16V K
C1218	VE-30012576	CAPACITOR	56pF 50V J	C1606	VE-30016654	CAPACITOR	100nF 16V K
C1220	VE-30012576	CAPACITOR	56pF 50V J	C1607	VE-30016654	CAPACITOR	100nF 16V K
C1221	VE-30012567	CAPACITOR	220pF 50V J	C1608	VE-30016654	CAPACITOR	100nF 16V K
C1227	VE-30016654	CAPACITOR	100nF 16V K	C1609	VE-30016654	CAPACITOR	100nF 16V K
C1235	VE-30016654	CAPACITOR	100nF 16V K	C1610	VE-30016654	CAPACITOR	100nF 16V K
C1236	VE-30000352	E CAPACITOR	100uF 16V M	C1800	VE-30000294	CAPACITOR	100nF 50V K
C1252	VE-30012581	CAPACITOR	1nF 50V K	C1801	VE-30000294	CAPACITOR	100nF 50V K
C1253	VE-30012567	CAPACITOR	220pF 50V J	C1802	VE-30000294	CAPACITOR	100nF 50V K
C1254	VE-30012567	CAPACITOR	220pF 50V J	C1803	VE-30000345	E CAPACITOR	10uF 50V M
C1255	VE-30012567	CAPACITOR	220pF 50V J	C1804	VE-30016654	CAPACITOR	100nF 16V K
C1300	VE-30016654	CAPACITOR	100nF 16V K	C1805	VE-30012581	CAPACITOR	1nF 50V K
C1301	VE-30016654	CAPACITOR	100nF 16V K	C1806	VE-30000355	E CAPACITOR	100uF 50V M
C1302	VE-30016654	CAPACITOR	100nF 16V K	C1807	VE-30000352	E CAPACITOR	100uF 16V M
C1303	VE-30016654	CAPACITOR	100nF 16V K	C1817	VE-30016126	CAPACITOR	220nF 16V K
C1304	VE-30016654	CAPACITOR	100nF 16V K	C1818	VE-30016126	CAPACITOR	220nF 16V K
C1305	VE-30016654	CAPACITOR	100nF 16V K	C1822	VE-30016126	CAPACITOR	220nF 16V K
C1306	VE-30016654	CAPACITOR	100nF 16V K	C1823	VE-30016126	CAPACITOR	220nF 16V K
C1307	VE-30016654	CAPACITOR	100nF 16V K	C1824	VE-30016126	CAPACITOR	220nF 16V K
C1308	VE-30016654	CAPACITOR	100nF 16V K	C1825	VE-30016126	CAPACITOR	220nF 16V K
C1309	VE-30016654	CAPACITOR	100nF 16V K	C1826	VE-30016126	CAPACITOR	220nF 16V K
C1310	VE-30016654	CAPACITOR	100nF 16V K	C1827	VE-30016126	CAPACITOR	220nF 16V K
C1311	VE-30016654	CAPACITOR	100nF 16V K	C1828	VE-30016126	CAPACITOR	220nF 16V K
C1312	VE-30016654	CAPACITOR	100nF 16V K	C1829	VE-30016126	CAPACITOR	220nF 16V K
C1313	VE-30016654	CAPACITOR	100nF 16V K	C1830	VE-30000371	E CAPACITOR	22uF 50V M
C1314	VE-30016654	CAPACITOR	100nF 16V K	C1831	VE-30016654	CAPACITOR	100nF 16V K
C1315	VE-30016654	CAPACITOR	100nF 16V K	C1832	VE-30016126	CAPACITOR	220nF 16V K
C1316	VE-30016654	CAPACITOR	100nF 16V K	C1833	VE-30016126	CAPACITOR	220nF 16V K
C1401	VE-30000400	E CAPACITOR	47uF 50V M	C1834	VE-30000352	E CAPACITOR	100uF 16V M
C1402	VE-30016654	CAPACITOR	100nF 16V K	C1835	VE-30000359	E CAPACITOR	1000uF 16V M
C1403	VE-30016654	CAPACITOR	100nF 16V K	C1836	VE-30012611	CAPACITOR	120pF 50V J
C1404	VE-30012582	CAPACITOR	10nF 50V K	C1837	VE-30012611	CAPACITOR	120pF 50V J
C1405	VE-30016654	CAPACITOR	100nF 16V K				
C1406	VE-30016085	E CAPACITOR	10uF 63V	R100	VE-30012713	RESISTOR	1/16W 75R J
C1408	VE-30016654	CAPACITOR	100nF 16V K	R101	VE-30012713	RESISTOR	1/16W 75R J
C1409	VE-30012560	CAPACITOR	100pF 50V J	R102	VE-30012713	RESISTOR	1/16W 75R J
C1410	VE-30000352	E CAPACITOR	100uF 16V M	R103	VE-30012713	RESISTOR	1/16W 75R J
C1411	VE-30012582	CAPACITOR	10nF 50V K	R104	VE-30012713	RESISTOR	1/16W 75R J
C1412	VE-30000315	CAPACITOR	220nF 25V Z	R105	VE-30012641	RESISTOR	1/16W 10K J
C1414	VE-30012582	CAPACITOR	10nF 50V K	R106	VE-30012641	RESISTOR	1/16W 10K J
C1415	VE-30012582	CAPACITOR	10nF 50V K	R107	VE-30012510	RESISTOR	1/16W 100R J
C1416	VE-30016654	CAPACITOR	100nF 16V K	R108	VE-30012510	RESISTOR	1/16W 100R J
C1420	VE-30012582	CAPACITOR	10nF 50V K	R109	VE-30012692	RESISTOR	1/16W 4.7K J
C1422	VE-30016654	CAPACITOR	100nF 16V K	R110	VE-30012692	RESISTOR	1/16W 4.7K J
C1423	VE-30016654	CAPACITOR	100nF 16V K	R111	VE-30012510	RESISTOR	1/16W 100R J
C1424	VE-30016654	CAPACITOR	100nF 16V K	R112	VE-30012509	RESISTOR	1/16W 100K J
C1428	VE-30016654	CAPACITOR	100nF 16V K	R113	VE-30012509	RESISTOR	1/16W 100K J
C1429	VE-30012582	CAPACITOR	10nF 50V K	R114	VE-30012509	RESISTOR	1/16W 100K J
C1430	VE-30016654	CAPACITOR	100nF 16V K	R115	VE-30012509	RESISTOR	1/16W 100K J
C1433	VE-30012582	CAPACITOR	10nF 50V K	R116	VE-30012509	RESISTOR	1/16W 100K J
C1434	VE-30016654	CAPACITOR	100nF 16V K	R117	VE-30012509	RESISTOR	1/16W 100K J
C1435	VE-30012564	CAPACITOR	18pF 50V J	R118	VE-30020896	FERRITE	
C1436	VE-30012559	CAPACITOR	10pF 50V D	R119	VE-30017653	RESISTOR ARRAY	1/16W 47RX4 J
C1437	VE-30016654	CAPACITOR	100nF 16V K	R120	VE-30017653	RESISTOR ARRAY	1/16W 47RX4 J
C1438	VE-30016654	CAPACITOR	100nF 16V K	R121	VE-30012679	RESISTOR	1/16W 3.9K J
C1439	VE-30016654	CAPACITOR	100nF 16V K	R122	VE-30012510	RESISTOR	1/16W 100R J
C1440	VE-30016654	CAPACITOR	100nF 16V K	R123	VE-30012510	RESISTOR	1/16W 100R J
C1445	VE-30012560	CAPACITOR	100pF 50V J	R127	VE-30012641	RESISTOR	1/16W 10K J
C1446	VE-30012560	CAPACITOR	100pF 50V J	R128	VE-30012641	RESISTOR	1/16W 10K J
C1451	VE-30016654	CAPACITOR	100nF 16V K	R136	VE-30012506	RESISTOR	1/16W 1.5K J
C1452	VE-30000352	E CAPACITOR	100uF 16V M	R137	VE-30012506	RESISTOR	1/16W 1.5K J
C1453	VE-30000352	E CAPACITOR	100uF 16V M	R138	VE-30012506	RESISTOR	1/16W 1.5K J
C1456	VE-30016654	CAPACITOR	100nF 16V K	R139	VE-30012657	RESISTOR	1/16W 1K J
C1457	VE-30016654	CAPACITOR	100nF 16V K	R141	VE-30012641	RESISTOR	1/16W 10K J
C1458	VE-30016654	CAPACITOR	100nF 16V K	R142	VE-30012657	RESISTOR	1/16W 1K J
C1459	VE-30016654	CAPACITOR	100nF 16V K	R143	VE-30012657	RESISTOR	1/16W 1K J
C1460	VE-30012579	CAPACITOR	82pF 50V J	R145	VE-30012510	RESISTOR	1/16W 100R J
C1461	VE-30012579	CAPACITOR	82pF 50V J	R146	VE-30012510	RESISTOR	1/16W 100R J
C1462	VE-30012607	CAPACITOR	150pF 50V J	R147	VE-30012510	RESISTOR	1/16W 100R J
C1463	VE-30014180	CAPACITOR	180pF 50V J	R148	VE-30012510	RESISTOR	1/16W 100R J
C1464	VE-30012559	CAPACITOR	10pF 50V D	R149	VE-30012641	RESISTOR	1/16W 10K J
C1471	VE-30012565	CAPACITOR	1.8pF 50V J	R150	VE-30012657	RESISTOR	1/16W 1K J
C1472	VE-30000384	E CAPACITOR	2.2uF 50V M	R151	VE-30012657	RESISTOR	1/16W 1K J
C1473	VE-30012581	CAPACITOR	1nF 50V K	R152	VE-30012655	RESISTOR	1/16W 180R J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R153	VE-30012641	RESISTOR	1/16W 10K J	R359	VE-30012659	RESISTOR	1/16W 2.2K J
R154	VE-30012641	RESISTOR	1/16W 10K J	R360	VE-30012506	RESISTOR	1/16W 1.5K J
R155	VE-30012641	RESISTOR	1/16W 10K J	R361	VE-30012657	RESISTOR	1/16W 1K J
R156	VE-30017653	RESISTOR ARRAY	1/16W 47RX4 J	R367	VE-30012692	RESISTOR	1/16W 4.7K J
R157	VE-30017653	RESISTOR ARRAY	1/16W 47RX4 J	R368	VE-30012692	RESISTOR	1/16W 4.7K J
R158	VE-30017653	RESISTOR ARRAY	1/16W 47RX4 J	R369	VE-30012692	RESISTOR	1/16W 4.7K J
R159	VE-30017653	RESISTOR ARRAY	1/16W 47RX4 J	R372	VE-30012692	RESISTOR	1/16W 4.7K J
R160	VE-30017653	RESISTOR ARRAY	1/16W 47RX4 J	R373	VE-30012692	RESISTOR	1/16W 4.7K J
R161	VE-30017653	RESISTOR ARRAY	1/16W 47RX4 J	R374	VE-30012692	RESISTOR	1/16W 4.7K J
R162	VE-30012509	RESISTOR	1/16W 100K J	R375	VE-30012684	RESISTOR	1/16W 330R J
R165	VE-30025836	FERRITE NET		R376	VE-30012692	RESISTOR	1/16W 4.7K J
R166	VE-30025836	FERRITE NET		R379	VE-30012684	RESISTOR	1/16W 330R J
R168	VE-30012641	RESISTOR	1/16W 10K J	R380	VE-30012669	RESISTOR	1/16W 22K J
R169	VE-30012641	RESISTOR	1/16W 10K J	R381	VE-30012657	RESISTOR	1/16W 1K J
R170	VE-30012641	RESISTOR	1/16W 10K J	R383	VE-30016230	RESISTOR	1/16W 16K F
R172	VE-30012641	RESISTOR	1/16W 10K J	R384	VE-30012679	RESISTOR	1/16W 3.9K J
R173	VE-30012641	RESISTOR	1/16W 10K J	R385	VE-30012692	RESISTOR	1/16W 4.7K J
R174	VE-30012641	RESISTOR	1/16W 10K J	R386	VE-30012506	RESISTOR	1/16W 1.5K J
R175	VE-30012641	RESISTOR	1/16W 10K J	R387	VE-30012506	RESISTOR	1/16W 1.5K J
R176	VE-30012641	RESISTOR	1/16W 10K J	R388	VE-30012641	RESISTOR	1/16W 10K J
R177	VE-30012641	RESISTOR	1/16W 10K J	R389	VE-30012641	RESISTOR	1/16W 10K J
R178	VE-30012641	RESISTOR	1/16W 10K J	R390	VE-30012692	RESISTOR	1/16W 4.7K J
R179	VE-30012641	RESISTOR	1/16W 10K J	R391	VE-30012696	RESISTOR	1/16W 47K J
R180	VE-30012641	RESISTOR	1/16W 10K J	R392	VE-30012696	RESISTOR	1/16W 47K J
R181	VE-30012641	RESISTOR	1/16W 10K J	R393	VE-30012510	RESISTOR	1/16W 100R J
R182	VE-30012641	RESISTOR	1/16W 10K J	R394	VE-30012641	RESISTOR	1/16W 10K J
R183	VE-30012657	RESISTOR	1/16W 1K J	R395	VE-30012684	RESISTOR	1/16W 330R J
R184	VE-30012657	RESISTOR	1/16W 1K J	R396	VE-30012684	RESISTOR	1/16W 330R J
R185	VE-30012641	RESISTOR	1/16W 10K J	R397	VE-30012692	RESISTOR	1/16W 4.7K J
R189	VE-30012657	RESISTOR	1/16W 1K J	R399	VE-30012692	RESISTOR	1/16W 4.7K J
R193	VE-30012657	RESISTOR	1/16W 1K J	R400	VE-30012713	RESISTOR	1/16W 75R J
R199	VE-30012641	RESISTOR	1/16W 10K J	R401	VE-30012713	RESISTOR	1/16W 75R J
R300	VE-30012657	RESISTOR	1/16W 1K J	R402	VE-30012713	RESISTOR	1/16W 75R J
R301	VE-30018409	RESISTOR ARRAY	1/16W 330R J	R404	VE-30012713	RESISTOR	1/16W 75R J
R302	VE-30018409	RESISTOR ARRAY	1/16W 330R J	R405	VE-30012713	RESISTOR	1/16W 75R J
R303	VE-30018409	RESISTOR ARRAY	1/16W 330R J	R406	VE-30012713	RESISTOR	1/16W 75R J
R304	VE-30018409	RESISTOR ARRAY	1/16W 330R J	R407	VE-30012510	RESISTOR	1/16W 100R J
R305	VE-30018409	RESISTOR ARRAY	1/16W 330R J	R408	VE-30012510	RESISTOR	1/16W 100R J
R306	VE-30018409	RESISTOR ARRAY	1/16W 330R J	R409	VE-30012713	RESISTOR	1/16W 75R J
R307	VE-30018409	RESISTOR ARRAY	1/16W 330R J	R410	VE-30012644	RESISTOR	1/16W 12K J
R308	VE-30012657	RESISTOR	1/16W 1K J	R411	VE-30012669	RESISTOR	1/16W 22K J
R309	VE-30012669	RESISTOR	1/16W 22K J	R412	VE-30014022	RESISTOR	1/16W 47R J
R310	VE-30012510	RESISTOR	1/16W 100R J	R413	VE-30012657	RESISTOR	1/16W 1K J
R311	VE-30012510	RESISTOR	1/16W 100R J	R414	VE-30012713	RESISTOR	1/16W 75R J
R312	VE-30012510	RESISTOR	1/16W 100R J	R415	VE-30012510	RESISTOR	1/16W 100R J
R313	VE-30012705	RESISTOR	1/16W 6.8K J	R416	VE-30017653	RESISTOR ARRAY	1/16W 47RX4 J
R314	VE-30012705	RESISTOR	1/16W 6.8K J	R417	VE-30017653	RESISTOR ARRAY	1/16W 47RX4 J
R315	VE-30012692	RESISTOR	1/16W 4.7K J	R431	VE-30012657	RESISTOR	1/16W 1K J
R316	VE-30012679	RESISTOR	1/16W 3.9K J	R432	VE-30012657	RESISTOR	1/16W 1K J
R317	VE-30016230	RESISTOR	1/16W 16K F	R434	VE-30012657	RESISTOR	1/16W 1K J
R318	VE-30012659	RESISTOR	1/16W 2.2K J	R437	VE-30012713	RESISTOR	1/16W 75R J
R319	VE-30012692	RESISTOR	1/16W 4.7K J	R438	VE-30012713	RESISTOR	1/16W 75R J
R320	VE-30012659	RESISTOR	1/16W 2.2K J	R439	VE-30012713	RESISTOR	1/16W 75R J
R321	VE-30012692	RESISTOR	1/16W 4.7K J	R452	VE-30012669	RESISTOR	1/16W 22K J
R322	VE-30012695	RESISTOR	1/16W 470R J	R454	VE-30012509	RESISTOR	1/16W 100K J
R323	VE-30012987	RESISTOR	1/16W 56R J	R459	VE-30012510	RESISTOR	1/16W 100R J
R324	VE-30012692	RESISTOR	1/16W 4.7K J	R460	VE-30012510	RESISTOR	1/16W 100R J
R325	VE-30012695	RESISTOR	1/16W 470R J	R503	VE-30012510	RESISTOR	1/16W 100R J
R326	VE-30012695	RESISTOR	1/16W 470R J	R504	VE-30012510	RESISTOR	1/16W 100R J
R327	VE-30012695	RESISTOR	1/16W 470R J	R505	VE-30012510	RESISTOR	1/16W 100R J
R328	VE-30012685	RESISTOR	1/16W 33K J	R506	VE-30012510	RESISTOR	1/16W 100R J
R329	VE-30012685	RESISTOR	1/16W 33K J	R507	VE-30012698	RESISTOR	1/16W 5.6K J
R330	VE-30012685	RESISTOR	1/16W 33K J	R508	VE-30012510	RESISTOR	1/16W 100R J
R331	VE-30012685	RESISTOR	1/16W 33K J	R509	VE-30012641	RESISTOR	1/16W 10K J
R332	VE-30012510	RESISTOR	1/16W 100R J	R510	VE-30012644	RESISTOR	1/16W 12K J
R333	VE-30012510	RESISTOR	1/16W 100R J	R511	VE-30012696	RESISTOR	1/16W 47K J
R334	VE-30012692	RESISTOR	1/16W 4.7K J	R512	VE-30012684	RESISTOR	1/16W 330R J
R335	VE-30012692	RESISTOR	1/16W 4.7K J	R513	VE-30012713	RESISTOR	1/16W 75R J
R336	VE-30012692	RESISTOR	1/16W 4.7K J	R514	VE-30012669	RESISTOR	1/16W 22K J
R337	VE-30012692	RESISTOR	1/16W 4.7K J	R515	VE-30012669	RESISTOR	1/16W 22K J
R339	VE-30012642	RESISTOR	1/16W 120K J	R516	VE-30012510	RESISTOR	1/16W 100R J
R340	VE-30012692	RESISTOR	1/16W 4.7K J	R517	VE-30012659	RESISTOR	1/16W 2.2K J
R341	VE-30012644	RESISTOR	1/16W 12K J	R518	VE-30012510	RESISTOR	1/16W 100R J
R342	VE-30012668	RESISTOR	1/16W 220R J	R522	VE-30012641	RESISTOR	1/16W 10K J
R343	VE-30012668	RESISTOR	1/16W 220R J	R523	VE-30012659	RESISTOR	1/16W 2.2K J
R344	VE-30013001	RESISTOR	1/16W 1K F	R524	VE-30012510	RESISTOR	1/16W 100R J
R345	VE-30012669	RESISTOR	1/16W 22K J	R525	VE-30012702	RESISTOR	1/16W 560R J
R346	VE-30012657	RESISTOR	1/16W 1K J	R527	VE-30012692	RESISTOR	1/16W 4.7K J
R347	VE-30014022	RESISTOR	1/16W 47R J	R529	VE-30012982	RESISTOR	1/16W 10R J
R348	VE-30012655	RESISTOR	1/16W 180R J	R530	VE-30014022	RESISTOR	1/16W 47R J
R349	VE-30014022	RESISTOR	1/16W 47R J	R531	VE-30012692	RESISTOR	1/16W 4.7K J
R350	VE-30012692	RESISTOR	1/16W 4.7K J	R600	VE-30012713	RESISTOR	1/16W 75R J
R351	VE-30012657	RESISTOR	1/16W 1K J	R602	VE-30012510	RESISTOR	1/16W 100R J
R352	VE-30012641	RESISTOR	1/16W 10K J	R603	VE-30012510	RESISTOR	1/16W 100R J
R353	VE-30012641	RESISTOR	1/16W 10K J	R604	VE-30012982	RESISTOR	1/16W 10R J
R354	VE-30012692	RESISTOR	1/16W 4.7K J	R605	VE-30012695	RESISTOR	1/16W 470R J
R355	VE-30012659	RESISTOR	1/16W 2.2K J	R606	VE-30012641	RESISTOR	1/16W 10K J
R356	VE-30012669	RESISTOR	1/16W 22K J	R607	VE-30012692	RESISTOR	1/16W 4.7K J
R357	VE-30012692	RESISTOR	1/16W 4.7K J	R608	VE-30012713	RESISTOR	1/16W 75R J
R358	VE-30012695	RESISTOR	1/16W 470R J	R609	VE-30012982	RESISTOR	1/16W 10R J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R610	VE-30012695	RESISTOR	1/16W 470R J	R780	VE-30012641	RESISTOR	1/16W 10K J
R611	VE-30012641	RESISTOR	1/16W 10K J	R784	VE-30000464	RESISTOR	1/10W 100R J
R612	VE-30012692	RESISTOR	1/16W 4.7K J	R785	VE-30000464	RESISTOR	1/10W 100R J
R613	VE-30012713	RESISTOR	1/16W 75R J	R786	VE-30012713	RESISTOR	1/16W 75R J
R614	VE-30012713	RESISTOR	1/16W 75R J	R787	VE-30012713	RESISTOR	1/16W 75R J
R615	VE-30012713	RESISTOR	1/16W 75R J	R789	VE-30012510	RESISTOR	1/16W 100R J
R617	VE-30012713	RESISTOR	1/16W 75R J	R790	VE-30012510	RESISTOR	1/16W 100R J
R618	VE-30012982	RESISTOR	1/16W 10R J	R791	VE-30012510	RESISTOR	1/16W 100R J
R619	VE-30012695	RESISTOR	1/16W 470R J	R792	VE-30012510	RESISTOR	1/16W 100R J
R620	VE-30012641	RESISTOR	1/16W 10K J	R793	VE-30017653	RESISTOR ARRAY	1/16W 47RX4 J
R621	VE-30012692	RESISTOR	1/16W 4.7K J	R809	VE-30026054	RESISTOR ARRAY	1/32W 47R J
R622	VE-30012713	RESISTOR	1/16W 75R J	R810	VE-30026054	RESISTOR ARRAY	1/32W 47R J
R623	VE-30012713	RESISTOR	1/16W 75R J	R811	VE-30026054	RESISTOR ARRAY	1/32W 47R J
R625	VE-30012982	RESISTOR	1/16W 10R J	R812	VE-30026054	RESISTOR ARRAY	1/32W 47R J
R626	VE-30012695	RESISTOR	1/16W 470R J	R813	VE-30026054	RESISTOR ARRAY	1/32W 47R J
R627	VE-30012641	RESISTOR	1/16W 10K J	R814	VE-30026054	RESISTOR ARRAY	1/32W 47R J
R628	VE-30012692	RESISTOR	1/16W 4.7K J	R815	VE-30001968	FERRITE	
R629	VE-30012713	RESISTOR	1/16W 75R J	R901	VE-30012641	RESISTOR	1/16W 10K J
R630	VE-30012713	RESISTOR	1/16W 75R J	R902	VE-30012642	RESISTOR	1/16W 120K J
R631	VE-30012713	RESISTOR	1/16W 75R J	R903	VE-30012641	RESISTOR	1/16W 10K J
R632	VE-30000797	RESISTOR	1/10W 75R J	R904	VE-30012641	RESISTOR	1/16W 10K J
R633	VE-30000797	RESISTOR	1/10W 75R J	R905	VE-30012713	RESISTOR	1/16W 75R J
R634	VE-30012509	RESISTOR	1/16W 100K J	R907	VE-30012510	RESISTOR	1/16W 100R J
R635	VE-30012509	RESISTOR	1/16W 100K J	R908	VE-30012510	RESISTOR	1/16W 100R J
R636	VE-30012509	RESISTOR	1/16W 100K J	R909	VE-30012677	RESISTOR	1/16W 3.3K J
R637	VE-30012509	RESISTOR	1/16W 100K J	R910	VE-30020899	RESISTOR	1/16W 1R J
R700	VE-30012641	RESISTOR	1/16W 10K J	R911	VE-30012713	RESISTOR	1/16W 75R J
R701	VE-30012641	RESISTOR	1/16W 10K J	R912	VE-30012655	RESISTOR	1/16W 180R J
R702	VE-30012510	RESISTOR	1/16W 100R J	R913	VE-30012679	RESISTOR	1/16W 3.9K J
R703	VE-30012510	RESISTOR	1/16W 100R J	R915	VE-30012509	RESISTOR	1/16W 100K J
R704	VE-30012692	RESISTOR	1/16W 4.7K J	R918	VE-30012677	RESISTOR	1/16W 3.3K J
R705	VE-30012712	RESISTOR	1/16W 8.2K J	R919	VE-30012668	RESISTOR	1/16W 220R J
R706	VE-30012641	RESISTOR	1/16W 10K J	R920	VE-30012657	RESISTOR	1/16W 1K J
R707	VE-30012712	RESISTOR	1/16W 8.2K J	R921	VE-30012655	RESISTOR	1/16W 180R J
R708	VE-30012669	RESISTOR	1/16W 22K J	R922	VE-30012641	RESISTOR	1/16W 10K J
R709	VE-30012669	RESISTOR	1/16W 22K J	R923	VE-30012641	RESISTOR	1/16W 10K J
R710	VE-30012641	RESISTOR	1/16W 10K J	R924	VE-30012641	RESISTOR	1/16W 10K J
R711	VE-30012510	RESISTOR	1/16W 100R J	R925	VE-30012641	RESISTOR	1/16W 10K J
R712	VE-30012657	RESISTOR	1/16W 1K J	R926	VE-30012668	RESISTOR	1/16W 220R J
R713	VE-30012657	RESISTOR	1/16W 1K J	R927	VE-30012641	RESISTOR	1/16W 10K J
R714	VE-30012702	RESISTOR	1/16W 560R J	R928	VE-30012641	RESISTOR	1/16W 10K J
R715	VE-30012702	RESISTOR	1/16W 560R J	R931	VE-30013001	RESISTOR	1/16W 1K F
R716	VE-30012702	RESISTOR	1/16W 560R J	R932	VE-30012987	RESISTOR	1/16W 56R J
R717	VE-30012702	RESISTOR	1/16W 560R J	R933	VE-30013001	RESISTOR	1/16W 1K F
R720	VE-30023426	FIXED COIL	1.2uH K	R934	VE-30012510	RESISTOR	1/16W 100R J
R721	VE-30023426	FIXED COIL	1.2uH K	R935	VE-30012510	RESISTOR	1/16W 100R J
R722	VE-30023426	FIXED COIL	1.2uH K	R936	VE-30012641	RESISTOR	1/16W 10K J
R723	VE-30012713	RESISTOR	1/16W 75R J	R937	VE-30012641	RESISTOR	1/16W 10K J
R724	VE-30012713	RESISTOR	1/16W 75R J	R938	VE-30012641	RESISTOR	1/16W 10K J
R725	VE-30012713	RESISTOR	1/16W 75R J	R939	VE-30012641	RESISTOR	1/16W 10K J
R726	VE-30012657	RESISTOR	1/16W 1K J	R940	VE-30012642	RESISTOR	1/16W 120K J
R727	VE-30012657	RESISTOR	1/16W 1K J	R1059	VE-30012692	RESISTOR	1/16W 4.7K J
R728	VE-30023426	FIXED COIL	1.2uH K	R1100	VE-30012692	RESISTOR	1/16W 4.7K J
R729	VE-30012713	RESISTOR	1/16W 75R J	R1101	VE-30012713	RESISTOR	1/16W 75R J
R730	VE-30023426	FIXED COIL	1.2uH K	R1102	VE-30012713	RESISTOR	1/16W 75R J
R731	VE-30012713	RESISTOR	1/16W 75R J	R1103	VE-30012692	RESISTOR	1/16W 4.7K J
R732	VE-30012713	RESISTOR	1/16W 75R J	R1104	VE-30012669	RESISTOR	1/16W 22K J
R733	VE-30023426	FIXED COIL	1.2uH K	R1105	VE-30014442	RESISTOR	1/16W 20K F
R734	VE-30012510	RESISTOR	1/16W 100R J	R1106	VE-30012510	RESISTOR	1/16W 100R J
R735	VE-30012510	RESISTOR	1/16W 100R J	R1108	VE-30012641	RESISTOR	1/16W 10K J
R736	VE-30012657	RESISTOR	1/16W 1K J	R1110	VE-30012641	RESISTOR	1/16W 10K J
R737	VE-30012657	RESISTOR	1/16W 1K J	R1112	VE-30012641	RESISTOR	1/16W 10K J
R738	VE-30012657	RESISTOR	1/16W 1K J	R1113	VE-30012641	RESISTOR	1/16W 10K J
R739	VE-30012657	RESISTOR	1/16W 1K J	R1114	VE-30012641	RESISTOR	1/16W 10K J
R740	VE-30012657	RESISTOR	1/16W 1K J	R1115	VE-30012641	RESISTOR	1/16W 10K J
R741	VE-30012657	RESISTOR	1/16W 1K J	R1118	VE-30012694	RESISTOR	1/16W 470K J
R742	VE-30012642	RESISTOR	1/16W 120K J	R1119	VE-30012694	RESISTOR	1/16W 470K J
R743	VE-30012644	RESISTOR	1/16W 12K J	R1120	VE-30012712	RESISTOR	1/16W 8.2K J
R744	VE-30012696	RESISTOR	1/16W 47K J	R1121	VE-30012696	RESISTOR	1/16W 47K J
R745	VE-30012685	RESISTOR	1/16W 33K J	R1122	VE-30012658	RESISTOR	1/16W 1M J
R746	VE-30012674	RESISTOR	1/16W 27K J	R1123	VE-30012669	RESISTOR	1/16W 22K J
R747	VE-30012641	RESISTOR	1/16W 10K J	R1125	VE-30012692	RESISTOR	1/16W 4.7K J
R748	VE-30012713	RESISTOR	1/16W 75R J	R1126	VE-30012713	RESISTOR	1/16W 75R J
R749	VE-30012668	RESISTOR	1/16W 220R J	R1127	VE-30014128	RESISTOR	1/16W 33R J
R750	VE-30012657	RESISTOR	1/16W 1K J	R1128	VE-30012712	RESISTOR	1/16W 8.2K J
R751	VE-30012510	RESISTOR	1/16W 100R J	R1134	VE-30014128	RESISTOR	1/16W 33R J
R752	VE-30012657	RESISTOR	1/16W 1K J	R1135	VE-30014128	RESISTOR	1/16W 33R J
R753	VE-30012641	RESISTOR	1/16W 10K J	R1136	VE-30014128	RESISTOR	1/16W 33R J
R761	VE-30000464	RESISTOR	1/10W 100R J	R1137	VE-30012692	RESISTOR	1/16W 4.7K J
R762	VE-30012713	RESISTOR	1/16W 75R J	R1144	VE-30026054	RESISTOR ARRAY	1/32W 47R J
R764	VE-30012677	RESISTOR	1/16W 3.3K J	R1147	VE-30012713	RESISTOR	1/16W 75R J
R765	VE-30012641	RESISTOR	1/16W 10K J	R1148	VE-30014128	RESISTOR	1/16W 33R J
R766	VE-30012641	RESISTOR	1/16W 10K J	R1151	VE-30012659	RESISTOR	1/16W 2.2K J
R767	VE-30012641	RESISTOR	1/16W 10K J	R1152	VE-30012659	RESISTOR	1/16W 2.2K J
R768	VE-30012641	RESISTOR	1/16W 10K J	R1158	VE-30012713	RESISTOR	1/16W 75R J
R769	VE-30012641	RESISTOR	1/16W 10K J	R1159	VE-30012713	RESISTOR	1/16W 75R J
R770	VE-30012641	RESISTOR	1/16W 10K J	R1160	VE-30014128	RESISTOR	1/16W 33R J
R771	VE-30012641	RESISTOR	1/16W 10K J	R1161	VE-30014128	RESISTOR	1/16W 33R J
R778	VE-30012641	RESISTOR	1/16W 10K J	R1221	VE-30012667	RESISTOR	1/16W 220K J
R779	VE-30012509	RESISTOR	1/16W 100K J	R1222	VE-30012667	RESISTOR	1/16W 220K J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R1231	VE-30012702	RESISTOR	1/16W 560R J	L106	VE-30020896	FERRITE	
R1232	VE-30012702	RESISTOR	1/16W 560R J	L107	VE-30001971	FERRITE	
R1233	VE-30012692	RESISTOR	1/16W 4.7K J	L108	VE-30020896	FERRITE	
R1235	VE-30012707	RESISTOR	1/16W 680R J	L109	VE-30001971	FERRITE	
R1236	VE-30012695	RESISTOR	1/16W 470R J	L110	VE-30001971	FERRITE	
R1237	VE-30012714	RESISTOR	1/16W 820R J	L113	VE-30000710	RESISTOR	1/10W 47R J
R1238	VE-30012713	RESISTOR	1/16W 75R J	L114	VE-30020393	FERRITE	
R1239	VE-30012684	RESISTOR	1/16W 330R J	L115	VE-30020393	FERRITE	
R1240	VE-30012684	RESISTOR	1/16W 330R J	L116	VE-30020393	FERRITE	
R1300	VE-30014128	RESISTOR	1/16W 33R J	L300	VE-30017542	FIXED COIL	10uH J
R1302	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L301	VE-30017542	FIXED COIL	10uH J
R1305	VE-30012641	RESISTOR	1/16W 10K J	L302	VE-30017542	FIXED COIL	10uH J
R1306	VE-30014128	RESISTOR	1/16W 33R J	L303	VE-30017542	FIXED COIL	10uH J
R1307	VE-30012713	RESISTOR	1/16W 75R J	L305	VE-30001990	FIXED COIL	6.8uH K
R1308	VE-30012713	RESISTOR	1/16W 75R J	L306	VE-30001971	FERRITE	
R1310	VE-30014128	RESISTOR	1/16W 33R J	L307	VE-30006712	FERRITE BEAD	
R1311	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L308	VE-30020393	FERRITE	
R1312	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L309	VE-30020393	FERRITE	
R1318	VE-30012641	RESISTOR	1/16W 10K J	L310	VE-30020393	FERRITE	
R1319	VE-30014022	RESISTOR	1/16W 47R J	L312	VE-30020393	FERRITE	
R1336	VE-30014128	RESISTOR	1/16W 33R J	L313	VE-30020393	FERRITE	
R1337	VE-30014128	RESISTOR	1/16W 33R J	L314	VE-30020393	FERRITE	
R1338	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L401	VE-30001971	FERRITE	
R1339	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L402	VE-30001971	FERRITE	
R1400	VE-30012506	RESISTOR	1/16W 1.5K J	L408	VE-30001971	FERRITE	
R1401	VE-30012659	RESISTOR	1/16W 2.2K J	L409	VE-30017542	FIXED COIL	10uH J
R1402	VE-30012659	RESISTOR	1/16W 2.2K J	L501	VE-30001971	FERRITE	
R1403	VE-30012982	RESISTOR	1/16W 10R J	L502	VE-30001971	FERRITE	
R1404	VE-30012510	RESISTOR	1/16W 100R J	L503	VE-30001971	FERRITE	
R1407	VE-30012982	RESISTOR	1/16W 10R J	L504	VE-30001996	FIXED COIL	22uH K
R1408	VE-30012695	RESISTOR	1/16W 470R J	L600	VE-30017542	FIXED COIL	10uH J
R1409	VE-30012641	RESISTOR	1/16W 10K J	L700	VE-30001971	FERRITE	
R1410	VE-30012659	RESISTOR	1/16W 2.2K J	L701	VE-30001971	FERRITE	
R1411	VE-30012659	RESISTOR	1/16W 2.2K J	L702	VE-30001971	FERRITE	
R1413	VE-30014022	RESISTOR	1/16W 47R J	L703	VE-30001971	FERRITE	
R1414	VE-30012982	RESISTOR	1/16W 10R J	L704	VE-30001971	FERRITE	
R1415	VE-30012659	RESISTOR	1/16W 2.2K J	L705	VE-30001971	FERRITE	
R1416	VE-30012659	RESISTOR	1/16W 2.2K J	L707	VE-30001971	FERRITE	
R1417	VE-30014022	RESISTOR	1/16W 47R J	L708	VE-30001971	FERRITE	
R1418	VE-30012692	RESISTOR	1/16W 4.7K J	L709	VE-30001971	FERRITE	
R1419	VE-30012692	RESISTOR	1/16W 4.7K J	L710	VE-30006712	FERRITE BEAD	
R1421	VE-30012657	RESISTOR	1/16W 1K J	L711	VE-30001971	FERRITE	
R1428	VE-30012655	RESISTOR	1/16W 180R J	L712	VE-30001971	FERRITE	
R1431	VE-30012506	RESISTOR	1/16W 1.5K J	L713	VE-30001971	FERRITE	
R1432	VE-30012506	RESISTOR	1/16W 1.5K J	L714	VE-30001971	FERRITE	
R1441	VE-30012657	RESISTOR	1/16W 1K J	L715	VE-30001971	FERRITE	
R1443	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L716	VE-30001971	FERRITE	
R1444	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L717	VE-30001971	FERRITE	
R1447	VE-30012713	RESISTOR	1/16W 75R J	L718	VE-30024779	FERRITE	
R1448	VE-30012713	RESISTOR	1/16W 75R J	L719	VE-30024779	FERRITE	
R1449	VE-30012655	RESISTOR	1/16W 180R J	L721	VE-30024779	FERRITE	
R1450	VE-30012510	RESISTOR	1/16W 100R J	L722	VE-30024779	FERRITE	
R1452	VE-30012508	RESISTOR	1/16W 1.8K J	L723	VE-30001971	FERRITE	
R1456	VE-30012982	RESISTOR	1/16W 10R J	L724	VE-30013412	FERRITE	
R1463	VE-30014128	RESISTOR	1/16W 33R J	L725	VE-30013412	FERRITE	
R1465	VE-30014022	RESISTOR	1/16W 47R J	L726	VE-30001971	FERRITE	
R1466	VE-30014022	RESISTOR	1/16W 47R J	L729	VE-30001971	FERRITE	
R1467	VE-30016230	RESISTOR	1/16W 16K F	L736	VE-30018093	FIXED COIL	3.3uH J
R1468	VE-30020847	RESISTOR	1/16W 510K J	L739	VE-30017143	FIXED COIL	22uH J
R1470	VE-30012696	RESISTOR	1/16W 47K J	L740	VE-30020393	FERRITE	
R1600	VE-30012696	RESISTOR	1/16W 47K J	L741	VE-30020393	FERRITE	
R1601	VE-30012692	RESISTOR	1/16W 4.7K J	L742	VE-30020393	FERRITE	
R1602	VE-30012641	RESISTOR	1/16W 10K J	L744	VE-30020393	FERRITE	
R1603	VE-30012641	RESISTOR	1/16W 10K J	L745	VE-30020393	FERRITE	
R1604	VE-30012641	RESISTOR	1/16W 10K J	L746	VE-30020393	FERRITE	
R1630	VE-30012641	RESISTOR	1/16W 10K J	L748	VE-30020393	FERRITE	
R1631	VE-30012641	RESISTOR	1/16W 10K J	L749	VE-30020393	FERRITE	
R1632	VE-30012641	RESISTOR	1/16W 10K J	L801	VE-30020394	FERRITE	
R1649	VE-30014128	RESISTOR	1/16W 33R J	L805	VE-30020394	FERRITE	
R1650	VE-30014128	RESISTOR	1/16W 33R J	L900	VE-30002170	FERRITE CORE	
R1651	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L906	VE-30001996	FIXED COIL	22uH K
R1652	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L907	VE-30002170	FERRITE CORE	
R1653	VE-30014128	RESISTOR	1/16W 33R J	L910	VE-30002002	FIXED COIL	47uH K
R1657	VE-30014128	RESISTOR	1/16W 33R J	L911	VE-30002170	FERRITE CORE	
R1658	VE-30014022	RESISTOR	1/16W 47R J	L914	VE-30011450	FIXED COIL	22uH
R1659	VE-30014022	RESISTOR	1/16W 47R J	L915	VE-30036233	FIXED COIL	47uH
R1739	VE-30012641	RESISTOR	1/16W 10K J	L916	VE-30036233	FIXED COIL	47uH
R1740	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L918	VE-30036233	FIXED COIL	47uH
R1741	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L1007	VE-30013412	FERRITE	
R1742	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L1008	VE-30013412	FERRITE	
R1743	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L1009	VE-30013412	FERRITE	
R1744	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L1010	VE-30013412	FERRITE	
R1745	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L1011	VE-30013412	FERRITE	
R1746	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L1012	VE-30013412	FERRITE	
R1747	VE-30026054	RESISTOR ARRAY	1/32W 47R J	L1013	VE-30013412	FERRITE	
				L1014	VE-30013412	FERRITE	
L101	VE-30001971	FERRITE		L1015	VE-30013412	FERRITE	
L103	VE-30002170	FERRITE CORE		L1016	VE-30013412	FERRITE	
L104	VE-30001971	FERRITE		L1017	VE-30013412	FERRITE	
L105	VE-30001971	FERRITE		L1102	VE-30017143	FIXED COIL	22uH J

△Ref No.	Part No.	Part Name	Description Local
L1103	VE-30017143	FIXED COIL	22uH J
L1106	VE-30001971	FERRITE	
L1107	VE-30000710	RESISTOR	1/10W 47R J
L1108	VE-30001971	FERRITE	
L1109	VE-30001971	FERRITE	
L1111	VE-30001971	FERRITE	
L1113	VE-30013412	FERRITE	
L1203	VE-30017143	FIXED COIL	22uH J
L1207	VE-30017143	FIXED COIL	22uH J
L1208	VE-30001968	FERRITE	
L1209	VE-30001968	FERRITE	
L1210	VE-30001968	FERRITE	
L1211	VE-30001968	FERRITE	
L1212	VE-30001968	FERRITE	
L1213	VE-30001968	FERRITE	
L1214	VE-30001968	FERRITE	
L1215	VE-30001968	FERRITE	
L1216	VE-30013412	FERRITE	
L1217	VE-30001968	FERRITE	
L1219	VE-30013412	FERRITE	
L1220	VE-30017143	FIXED COIL	22uH J
L1221	VE-30013412	FERRITE	
L1222	VE-30013412	FERRITE	
L1400	VE-30046606	FIXED COIL	
L1404	VE-30017143	FIXED COIL	22uH J
L1405	VE-30011011	FIXED COIL	22uH J
L1413	VE-30001971	FERRITE	
L1822	VE-30016659	COIL	1uH
L1823	VE-30017542	FIXED COIL	10uH J
L1824	VE-30017143	FIXED COIL	22uH J
L1825	VE-30018612	COIL	330nH
L1826	VE-30018612	COIL	330nH
L1827	VE-30016659	COIL	1uH
L1828	VE-30016659	COIL	1uH
△F900	VE-30035282	FUSE	5A/32VDC
JK700	VE-30032641	JACK	PC AUDIO IN
JK702	VE-30032636	JACK	EXT-3 AUDIO IN(L)
JK703	VE-30032638	JACK	EXT-3 AUDIO IN(R)
JK704	VE-30032638	JACK	EXT-3 Pr
JK705	VE-30032233	JACK	EXT-3 Y
JK706	VE-30032234	JACK	EXT-3 Pb
JK901	VE-30027932	SOCKET	DC IN
PL101	VE-30033117	D SOCKET	PC INPUT
PL700	VE-30018089	SOCET SCART	EXT-1
PL701	VE-30018089	SOCET SCART	EXT-2
PL1600	VE-30031603	SOCKET PCMCIA	CARD SLOT
S700	VE-30001971	FERRITE	
S701	VE-30001971	FERRITE	
S1001	VE-30020394	FERRITE	
S1002	VE-30020394	FERRITE	
S1003	VE-30020394	FERRITE	
S1005	VE-30012982	RESISTOR	1/16W 10R J
S1006	VE-30020394	FERRITE	
S1007	VE-30020394	FERRITE	
TU500	VE-30020655	TUNER	
TU1400	VE-30039060	TUNER	
X100	VE-30017946	CLYSTAT	14.318MHZ
X300	VE-30006662	CLYSTAT	6.000MHz
X400	VE-30008778	CLYSTAT	20.250MHz
X500	VE-30021113	CLYSTAT	4MHz
X700	VE-30001756	CLYSTAT	18.432MHz
X1100	VE-30007367	CLYSTAT	27MHz
X1400	VE-30033132	CLYSTAT	27MHz
Z500	VE-30001692	SAW FILTER	
Z501	VE-30012545	SAW FILTER	
Z1400	VE-30019359	SAW FILTER	

## AV JACK P.W. BOARD ASS'Y (VE-20242334)

△Ref No.	Part No.	Part Name	Description Local
D100	VE-30016020	DIODE	
D101	VE-30016020	DIODE	
D102	VE-30016020	DIODE	
D103	VE-30016020	DIODE	
D104	VE-30016020	DIODE	
D105	VE-30001350	DIODE	
D106	VE-30001350	DIODE	
D107	VE-30016020	DIODE	
D108	VE-30016020	DIODE	
D109	VE-30016020	DIODE	
C100	VE-30000239	C CAPACITOR	33pF 50V J
C101	VE-30000239	C CAPACITOR	33pF 50V J
C102	VE-30000239	C CAPACITOR	33pF 50V J
C103	VE-30000191	C CAPACITOR	100pF 50V J
C104	VE-30000191	C CAPACITOR	100pF 50V J
C105	VE-30000191	C CAPACITOR	100pF 50V J
C106	VE-30000330	C CAPACITOR	4.7nF 50V K
C107	VE-30000330	C CAPACITOR	4.7nF 50V K
C108	VE-30000191	C CAPACITOR	100pF 50V J
C109	VE-30000191	C CAPACITOR	100pF 50V J
C110	VE-30000191	C CAPACITOR	100pF 50V J
R100	VE-30000712	RESISTOR	1/4W 470R J
R101	VE-30000712	RESISTOR	1/4W 470R J
R102	VE-30000650	RESISTOR	1/4W 33R J
R103	VE-30000650	RESISTOR	1/4W 33R J
R104	VE-30000712	RESISTOR	1/4W 470R J
R105	VE-30000712	RESISTOR	1/4W 470R J
R106	VE-30000712	RESISTOR	1/4W 470R J
R107	VE-30000580	RESISTOR	1/4W 22R J
R108	VE-30000580	RESISTOR	1/4W 22R J
L100	VE-30006712	FERRITE BEAD	
L101	VE-30006712	FERRITE BEAD	
L102	VE-30006712	FERRITE BEAD	
L103	VE-30006712	FERRITE BEAD	
L104	VE-30006712	FERRITE BEAD	
L105	VE-30006712	FERRITE BEAD	
L106	VE-30006712	FERRITE BEAD	
L107	VE-30006712	FERRITE BEAD	
L108	VE-30006712	FERRITE BEAD	
L109	VE-30006712	FERRITE BEAD	
L110	VE-30006712	FERRITE BEAD	
L112	VE-30006712	FERRITE BEAD	
L114	VE-30006712	FERRITE BEAD	
L115	VE-30006712	FERRITE BEAD	
L116	VE-30006712	FERRITE BEAD	
L117	VE-30006712	FERRITE BEAD	
L118	VE-30006712	FERRITE BEAD	
L119	VE-30006712	FERRITE BEAD	
L120	VE-30006712	FERRITE BEAD	
JK100	VE-30015112	JACK	EXT-4 S-VIDEO IN
JK101	VE-30015338	JACK	EXT-4 VIDEO IN
JK102	VE-30015337	JACK	EXT-4 AUDIO IN(R)
JK103	VE-30015339	JACK	EXT-4 AUDIO IN(L)
JK104	VE-30020016	HEADPHONE JACK	HEADPHONE
JK105	VE-30015340	JACK	DIGITAL AUDIO OUT
JK106	VE-30015339	JACK	AUDIO OUT(L)
JK107	VE-30015337	JACK	AUDIO OUT(R)

## SIDE CONTROL P.W. BOARD ASS'Y (VE-20224821)

△Ref No.	Part No.	Part Name	Description Local
R1	VE-30000689	RESISTOR	1/4W 3.9K J
R2	VE-30000526	RESISTOR	1/4W 1.5K J
R3	VE-30000770	RESISTOR	1/4W 680R J
R4	VE-30000702	RESISTOR CF	1/4W 430R J
R5	VE-30000623	RESISTOR	1/4W 270R G
SW1	VE-30032684	TACT SWITCH	VOLUME -
SW2	VE-30032684	TACT SWITCH	VOLUME +
SW3	VE-30032684	TACT SWITCH	PROGRAM -
SW4	VE-30032684	TACT SWITCH	PROGRAM +
SW5	VE-30032684	TACT SWITCH	MENU/OK
SW6	VE-30032684	TACT SWITCH	STAND-BY
SW7	VE-30032684	TACT SWITCH	TV/AV



# PRINTED WIRING BOARD PARTS LIST [LT-20DJ5SGE]

## MAIN P.W. BOARD ASS'Y (VE-20267685)

REFER TO PARTS LIST IN PAGE 3-6 FOR THIS P.W. BOARD.

## SIDE CONTROL P.W. BOARD ASS'Y (VE-20224821)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

## AV JACK P.W. BOARD ASS'Y (VE-20242334)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

# PRINTED WIRING BOARD PARTS LIST [LT-20DJ5SSP]

## MAIN P.W. BOARD ASS'Y (VE-20267685)

REFER TO PARTS LIST IN PAGE 3-6 FOR THIS P.W. BOARD.

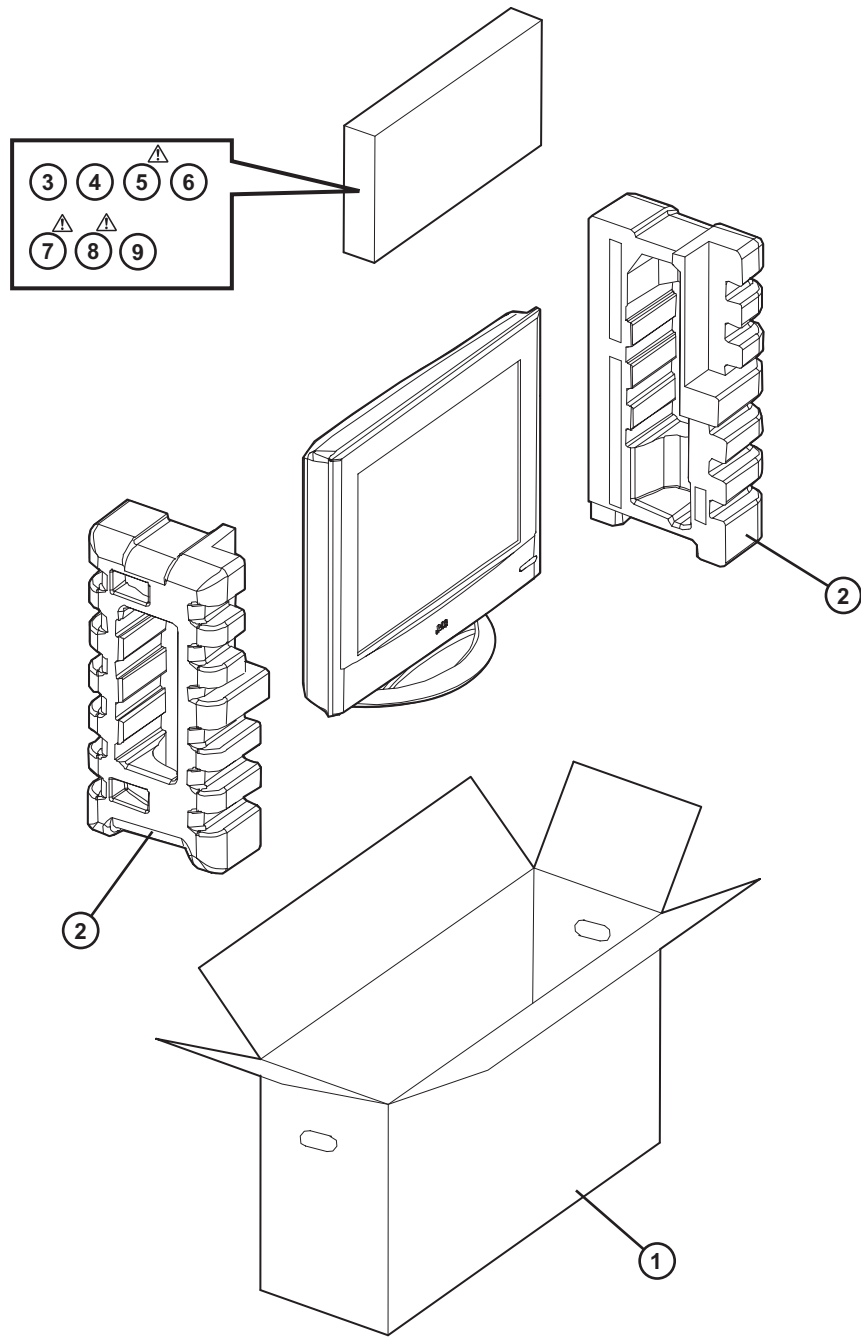
## SIDE CONTROL P.W. BOARD ASS'Y (VE-20224821)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

## AV JACK P.W. BOARD ASS'Y (VE-20242334)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	VE-50087314	CARTON BOX		LT-20DJ5SFR
	1	VE-50087320	CARTON BOX		LT-20DJ5SGE
	1	VE-50087317	CARTON BOX		LT-20DJ5SSP
	2	VE-20235217	CUSHION ASSEMBLY	2pcs in 1set	
	3	VE-30044649	REMOTE CONTROL UNIT	RM-C1897C	
	4	-----	BATTERY	AA/R6 type(x2)	
⚠	5	VE-50087311	INST BOOK	English/French	LT-20DJ5SFR
⚠	5	VE-50087318	INST BOOK	English/German	LT-20DJ5SGE
⚠	5	VE-50087315	INST BOOK	English/Spanish	LT-20DJ5SSP
	6	-----	WARRANTY CARD	VE-50087312	LT-20DJ5SFR
	6	-----	WARRANTY CARD	VE-50087319	LT-20DJ5SGE
	6	-----	WARRANTY CARD	VE-50087316	LT-20DJ5SSP
⚠	7	VE-30002376	POWER CORD		
⚠	8	VE-30041644	AC ADAPTOR	DC12V 6A	
	9	VE-20176416	CABLE HOLDER		